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**SUPPLEMENT**  
TO THE  
**EIGHTY-FIRST ANNUAL REPORT**  
OF THE  
**REGISTRAR-GENERAL**  
OF  
**BIRTHS, DEATHS, AND MARRIAGES**  
IN ENGLAND AND WALES.

**REPORT ON THE MORTALITY FROM INFLUENZA**  
**IN ENGLAND AND WALES**  
**DURING THE EPIDEMIC OF 1918-19.**

**Presented to Parliament by Command of His Majesty.**



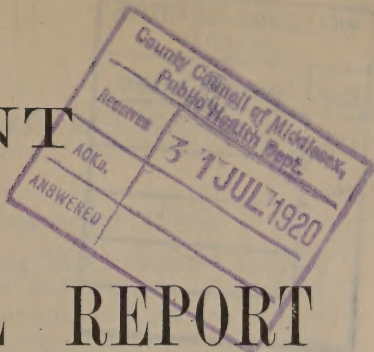
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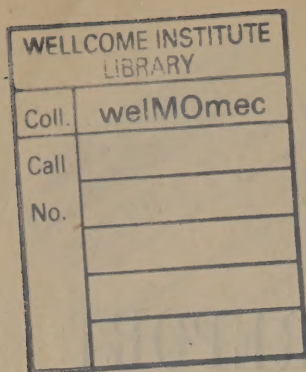
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# REPORT ON THE MORTALITY FROM INFLUENZA IN ENGLAND AND WALES DURING THE EPIDEMIC OF 1918-19.

## A SUPPLEMENT to the REPORT of the REGISTRAR-GENERAL for 1918.

*Estimate of total mortality.*—The deaths allocated to influenza during 1918 numbered 112,329, 53,883 of males and 58,446 of females. The 53,883 males included 7,591 non-civilians. Deducting these we are left with 104,738 deaths of civilians, corresponding to a mortality of 3,129 per million civilian population. No such mortality as this has ever before been recorded for any epidemic in this country since registration commenced, except in the case of the cholera epidemic of 1849, when the mortality from that cause rose to 3,033 per million population. None of the previous outbreaks of influenza can compare in mortality with that of 1918-19. During the 46 weeks, June 23rd-May 10th, the total deaths allocated to the disease were 151,446, including 140,989 of civilians, the corresponding civilian death-rate for these 46 weeks being at the annual rate of 4,774 per million population.

It is well known that during influenza epidemics the mortality attributed to the disease does not represent the whole of that caused by it. The entries under other headings, especially those of respiratory disease, are always found to increase during an epidemic, and though this has not occurred in 1918 to the same extent as in other recent outbreaks it is still necessary to make allowance for these increases of mortality, allocated to other causes but really attributable to influenza, in endeavouring to measure the loss of life caused by the epidemic.

There are several possible ways of making such an estimate, none of them wholly satisfactory in themselves, but still capable of pointing to the approximate truth if the results of varying, and as far as possible independent, methods of estimation are found to be substantially the same. The estimate for females may be made first, because the profound modification of the male civilian population due to the war and increasing with each year of its progress introduces difficulties in dealing with that sex which do not apply to females.

It is convenient to deal with the returns quarter by quarter, because the first outbreak in 1918 occurred almost wholly in the third, and the second in the fourth quarter of the year, while as the third outbreak was largely, though not quite so precisely, confined to the first quarter of 1919, the records of that quarter may be drawn upon for an estimate of the total mortality caused by the whole epidemic in its three phases, allowance being made for overlap into the second quarter of 1919.

To deal first, then, with the mortality of females in the third quarter of 1918, we may proceed by comparing this with the average of the preceding five years, taken as representing the average normal experience at the present time. The excess of mortality from those causes of death which are generally found to yield increased rates during influenza epidemics over this standard may be added to that ascribed to influenza, and the total taken as measuring the epidemic mortality. The causes so dealt with are pneumonia (all forms), bronchitis, organic heart disease (No. 79) and pulmonary tuberculosis. Doubtless others might be added to this list, but the four above, and particularly pneumonia, are of such outstanding importance that the result could not be substantially affected by further refinements. The death-rates per million females living from these causes during the third quarter of the year, with the excess mortality in 1918, and the numbers of deaths represented by this excess, are as follows:—

|                       | Mortality per Million (per Annum). |        |                 | Deaths attributable to Epidemic. |
|-----------------------|------------------------------------|--------|-----------------|----------------------------------|
|                       | 1913-17.                           | 1918.  | Excess in 1918. |                                  |
| Influenza ... ..      | 41                                 | 1,073  | 1,032           | 5,124                            |
| Pneumonia ... ..      | 464                                | 777    | 313             | 1,554                            |
| Bronchitis ... ..     | 417                                | 459    | 42              | 209                              |
| Heart disease ... ..  | 1,164                              | 1,092  | —               | —                                |
| Phthisis* ... ..      | 796                                | 968    | 172             | 854                              |
| Total of above ... .. | 2,882                              | 4,369  | 1,559           | 7,741                            |
| Other causes ... ..   | 7,506                              | 6,522  |                 |                                  |
| All causes ... ..     | 10,388                             | 10,891 |                 |                                  |

\* In the case of phthisis the whole excess mortality should not be debited to influenza as phthisis mortality in the first half of 1918 exceeded that in the first six months of 1913-17 by about 40 per million. Correction for this fact would reduce the deaths attributable to influenza by about 200, but in view of the reasons given for believing the estimate by this method to be a low one this correction has not been made.

We thus arrive at a total of 7,741 deaths as attributable to the epidemic prevalence of influenza. This may be regarded as a low estimate for two reasons (1) because, like the first two quarters of the year, the third was evidently, apart from the epidemic, a very healthy one, as may be seen from the low rate for 'other causes' and from the absence of increase under heart disease, so that normally the mortality from the selected causes should presumably have been below average; and (2) because the list of selected causes cannot be exhaustive. Deaths really due to influenza may have been attributed to almost any cause in the list.

Another method of estimation is to assess the comparative healthiness of 1918 by the ratio of mortality from 'other causes' as stated above to the average and then to assume that in the absence of the epidemic the mortality from all causes would have borne the same ratio to the average. The excess in the recorded total mortality over the estimate of non-epidemic mortality so arrived at should then measure the consequences of the epidemic. In this case the mortality from 'other causes' in 1918 was 86·89 per cent. of the standard. If the mortality from all causes had been in like proportion it would have stood at 9,026 per million, or 1,865 below the actual record. The number of deaths



corresponding to this difference is 9,259 or 1,518 more than that arrived at by the first method. Reasons for this excess have been already suggested.

A third method which has been tried depends on the unwarranted assumption that, in the absence of the epidemic, mortality would have been as favourable during the third as during the first and second quarters of the year. The mortality of the first quarter was 86·5 per cent. of the average for 1913-17, and that of the second quarter 89·6 per cent. (These ratios, it will be noticed, agree well with that of 86·89 for the 'other causes' in the second method). Assuming, then, that the mortality of the remainder of the year would have been 88 per cent. of standard the rate for the third quarter would have been 9,141, or 1,750 below the actual record. The corresponding number of deaths is 8,689, a result intermediate between the other two estimates. Probably we may take it that the summer epidemic accounted for the deaths of about 9,000 females.

The estimate for females in the fourth quarter may be derived on similar lines from the following data :—

|                       | Mortality per Million (per Annum). |        |                 | Deaths attributable to Epidemic. |
|-----------------------|------------------------------------|--------|-----------------|----------------------------------|
|                       | 1913-17.                           | 1918.  | Excess in 1918. |                                  |
| Influenza ... ..      | 174                                | 10,414 | 10,240          | 50,840                           |
| Pneumonia ... ..      | 855                                | 2,347  | 1,492           | 7,408                            |
| Bronchitis ... ..     | 1,173                              | 1,470  | 297             | 1,475                            |
| Heart disease ... ..  | 1,461                              | 1,568  | 107             | 531                              |
| Phthisis ... ..       | 893                                | 1,293  | 400             | 1,986                            |
| Total of above ... .. | 4,556                              | 17,092 | 12,536          | 62,240                           |
| Other causes ... ..   | 8,187                              | 7,300  |                 |                                  |
| All causes ... ..     | 12,743                             | 24,392 |                 |                                  |

Here again we may find evidence that, in the absence of influenza, mortality would have been remarkably low. The results deducible from these data are, by method (1), 62,240 epidemic deaths, as shown; by method (2) 64,687; and by method (3) 65,427. Perhaps 64,000 may be taken as focussing the results of the three methods.

In the case of males two additional difficulties are met with, first, that populations, and therefore death-rates, are available only for civilians; and second, that the character of that civilian population had been profoundly changed by enlistment within the period 1913-17. For these reasons the comparison has been made with the preceding year only instead of with the average for the preceding five, and has been made for civilians only. The alteration in the male civilian population between 1917 and 1918 must have been much less than earlier in the war, for the reduction in the numbers of civilians of military age was almost trifling compared with what had occurred before.

The following are the data for the third quarter for civilian males :—

|                       | Mortality per Million (per Annum). |        |                 | Deaths attributable to Epidemic. |
|-----------------------|------------------------------------|--------|-----------------|----------------------------------|
|                       | 1917.                              | 1918.  | Excess in 1918. |                                  |
| Influenza ... ..      | 48                                 | 1,494  | 1,446           | 5,021                            |
| Pneumonia ... ..      | 785                                | 1,247  | 462             | 1,604                            |
| Bronchitis ... ..     | 604                                | 785    | 181             | 629                              |
| Heart disease ... ..  | 1,404                              | 1,458  | 54              | 188                              |
| Phthisis ... ..       | 1,298                              | 1,484  | 186             | 646                              |
| Total of above ... .. | 4,139                              | 6,468  | 2,329           | 8,088                            |
| Other causes ... ..   | 9,310                              | 9,616  |                 |                                  |
| All causes ... ..     | 13,449                             | 16,084 |                 |                                  |

The epidemic deaths as obtained by method (1) are as above, 8,088. In this case, however, the general tendency of this method to underestimate is to some extent offset by such deterioration of the population as did occur between the two dates compared. The excess in 1918 must be to some extent due to this deterioration, whereas the method imputes it all to the epidemic. This is borne out by the fact that this result exceeds that by method (2), which is 7,615. It will be noticed that the mortality from other causes is slightly increased in 1918, whereas that for females showed a large decrease. This is attributable both to the continued deterioration of the male civilian population and to the fact that, as mortality generally was lower in 1917 than in 1913-17, the standard used for males is more stringent than that used for females.

It has not been thought worth while to apply method (3) to the single year basis of comparison available for males. Instead of this the assumption has been tried that the same proportion of the total mortality was due to the epidemic in the male as in the female sex. This proportion is taken for females as  $\frac{9,000}{54,074}$  or 16·64 per cent., which, applied to the 55,854 deaths in the quarter, yields



9,294 deaths attributable to the epidemic. The assumption on which this method is based is the less valid on account of the abnormal nature of the male population concerned, so the deaths of male civilians in this quarter may perhaps be put at 8,000.

The data for civilian males in the fourth quarter are as follows :—

|                       | Mortality per Million (per Annum). |        |                 | Deaths attributable to Epidemic. |
|-----------------------|------------------------------------|--------|-----------------|----------------------------------|
|                       | 1917.                              | 1918.  | Excess in 1918. |                                  |
| Influenza ... ..      | 116                                | 11,406 | 11,290          | 39,205                           |
| Pneumonia ... ..      | 1,254                              | 3,138  | 1,884           | 6,542                            |
| Bronchitis ... ..     | 1,186                              | 2,017  | 831             | 2,886                            |
| Heart disease ... ..  | 1,576                              | 1,823  | 247             | 858                              |
| Phthisis ... ..       | 1,423                              | 1,961  | 538             | 1,868                            |
| Total of above ... .. | 5,555                              | 20,345 | 14,790          | 51,359                           |
| Other causes ... ..   | 10,207                             | 10,366 |                 |                                  |
| All causes ... ..     | 15,762                             | 30,711 |                 |                                  |

In this case again method (2) gives a slightly lower result at 51,057 than the 51,359 shown above for method (1). The method based upon the proportion of total mortality attributable to the epidemic in the case of females again comes out higher than the others, at 56,363. Perhaps the total may be conservatively estimated here at 51,000, a figure considerably below that for females, whereas in the preceding and succeeding quarters the totals for civilian males and for females come out much the same.

We thus have the following estimate of deaths caused by the epidemic of influenza during 1918 :—

|                       | Civilian Males. | Females. | Total.    |
|-----------------------|-----------------|----------|-----------|
| Third quarter ... ..  | 8,000           | 9,000    | } 132,000 |
| Fourth quarter ... .. | 51,000          | 64,000   |           |

The deaths from influenza registered during the last ten days of June, 1918, were too few to affect this total appreciably. There were 7,591 deaths of non-civilians males attributed to influenza during the year, but materials are lacking for an estimate of the total epidemic mortality in their case. The total loss of life due to the epidemic in England and Wales in 1918 appears to have been over rather than under 140,000, especially as the figures hitherto quoted ignore the epidemic mortality registered during the last few days of June.\*

The data for estimating the epidemic mortality of females during the first quarter of 1919 are as follows :—

|                       | Mortality per Million (per Annum). |        |                 | Deaths attributable to Epidemic. |
|-----------------------|------------------------------------|--------|-----------------|----------------------------------|
|                       | 1914-18.                           | 1919.  | Excess in 1919. |                                  |
| Influenza ... ..      | 370                                | 3,766  | 3,396           | 16,494                           |
| Pneumonia ... ..      | 1,356                              | 1,865  | 509             | 2,472                            |
| Bronchitis ... ..     | 1,919                              | 2,538  | 619             | 3,006                            |
| Heart disease ... ..  | 1,707                              | 1,858  | 151             | 733                              |
| Phthisis ... ..       | 1,035                              | 1,127  | 92              | 447                              |
| Total of above ... .. | 6,387                              | 11,154 | 4,767           | 23,152                           |
| Other causes ... ..   | 9,112                              | 8,271  |                 |                                  |
| All causes ... ..     | 15,499                             | 19,425 |                 |                                  |

The deaths ascribable to the epidemic on these figures by method (1) are, as above, 23,152; and by method (2) 26,019. In view of the remoteness of the latest period of freedom from epidemic mortality, method (3) has not been applied. The estimate may be fixed, in the light of the two results obtained, at 24,500.

\* The deaths registered in the second quarter as having been caused by influenza during the period June 23-30, which covers the commencement of the summer wave of prevalence, numbered 358. Allowing on the one hand for the normal mortality from influenza, represented by 50-100 deaths weekly during the preceding two months, and on the other for epidemic deaths attributed to other causes, which in view of the figures quoted for the third quarter of the year may perhaps be taken at 50 per cent. of the deaths attributed to influenza, this figure of 358 influenza deaths must be taken as pointing to a total of about 500 deaths as caused by the epidemic during the last eight days of June, and registered before the end of the month.



The corresponding figures for civilian males during the first quarter of 1919 are as follows :—

|                       | Mortality per Million (per Annum). |        |                 | Deaths attributable to Epidemic. |
|-----------------------|------------------------------------|--------|-----------------|----------------------------------|
|                       | 1918.                              | 1919.  | Excess in 1919. |                                  |
| Influenza ... ..      | 236                                | 4,863  | 4,627           | 15,718                           |
| Pneumonia ... ..      | 2,317                              | 2,984  | 667             | 2,266                            |
| Bronchitis ... ..     | 2,008                              | 3,302  | 1,294           | 4,396                            |
| Heart disease ... ..  | 1,812                              | 2,188  | 376             | 1,277                            |
| Phthisis ... ..       | 1,762                              | 1,872  | 110             | 374                              |
| Total of above ... .. | 8,135                              | 15,209 | 7,074           | 24,031                           |
| Other causes ... ..   | 12,108                             | 11,843 |                 |                                  |
| All causes ... ..     | 20,243                             | 27,052 |                 |                                  |

Against the total of 24,031 epidemic deaths obtained as above by method (1), method (2) yields a total of 24,636.

It will be noted that for males, as also to a less extent for females, excess mortality from bronchitis contributes more to the total excess in this than in the preceding quarter. This is also true to some extent of heart disease. The question naturally arises whether this excess is due to a change in the nature of the type of influenza prevalent,\* or whether the weather and other conditions of the quarter, apart from influenza, were such that mortality from bronchitis would have been high even in the absence of the epidemic. This question is the harder to answer because the number of deaths from bronchitis during both the winter quarters varies greatly from year to year. Thus 10,883 males died from this cause in the first quarter of 1915 against 6,821 in 1918, and 12,043 females in the first quarter of 1915 against 7,391 only in 1916. For both sexes the deaths from bronchitis were more numerous in the first quarter of 1919 than in any previous first quarter from 1911 on, so it is fair to assume that the excesses shown were at least in part due to the epidemic. Perhaps it will be best to accept the excess for females over the 1914-18 average as it stands, but in the case of males, where the comparison is with 1918 only, to make some allowance for the fact that the number of bronchitis deaths in the first quarter of that year was lower than in any other of the nine for which comparison can be made, 1911 coming next with 6,999. The absence of males on foreign service cannot affect this matter much, as only about 3 per cent. of the deaths of males from bronchitis occur at the ages of military service—3·2 per cent. in 1901-10. It may be permissible, therefore, in the case of bronchitis, to compare the deaths during the first quarter of 1919 with the average of the five preceding first quarters, thus using the same standard for males as for females. This reduces the estimate of epidemic deaths by about 1,700, *i.e.*, to about 22,500 for civilian males.

The inference that the large increase in deaths of males from bronchitis was not wholly due to the epidemic of influenza is confirmed by Table XVI. This refers only to deaths certified as due, in part at least, to influenza, and so does not cover the same ground as the excess deaths from bronchitis. But it shows that, in the case of the deaths where influenza was recognised, bronchitis was not much more frequently returned as a complication in 1919 than in 1918, the proportions of deaths so certified per 1,000 total influenza deaths being as follows :—

|                | First Wave. | Second Wave. | Third Wave. |
|----------------|-------------|--------------|-------------|
| Males ... ..   | 105         | 72           | 98          |
| Females ... .. | 102         | 84           | 128         |

The increase in the third wave is evidently insufficient to correspond with that in excess deaths of males from bronchitis.

There remain to be reckoned the deaths registered in the second quarter of 1919 which may fairly be included as attributable to the epidemic. The date at which the epidemic ceased is naturally not very clearly defined—by no means so clearly as that of its onset. It is necessary, however, to assume some definite date of termination for working purposes, and Saturday the 10th of May has been fixed on.

The deaths of civilians classed to influenza which occurred up to this date and were registered during the second quarter were 4,014—2,020 of males and 1,994 of females—but of these it may be assumed on the analogy of recent years that about 700 would have occurred without any special epidemic. If the remaining 3,300 are increased in the same proportion as that for the previous quarter, to allow for deaths due to the epidemic but not classed to influenza, their number is raised to about 4,500.

\* The proportion of influenza deaths amongst elderly people was somewhat higher in the third than in the first or second waves of the epidemic. This might tend of itself to increase the proportion of deaths from influenzal bronchitis; but the increase was not very considerable (Table II). Tables XVI and XVII show that the frequency with which bronchitis was returned as a complication of fatal influenza in the third wave was by no means excessive.



The estimate of civilian deaths arrived at for the whole epidemic thus becomes—

|                        | Civilian Males. | Females. | Persons. |
|------------------------|-----------------|----------|----------|
| June 23–June 30 ... .. | 250             | 250      | 500      |
| July 1–Sept. 30 ... .. | 8,000           | 9,000    | 17,000   |
| Oct. 1–Dec. 31 ... ..  | 51,000          | 64,000   | 115,000  |
| Jan. 1–Mar. 31 ... ..  | 22,500          | 24,500   | 47,000   |
| April 1–May 10 ... ..  | 2,250           | 2,250    | 4,500    |
| June 23–May 10 ... ..  | 84,000          | 100,000  | 184,000  |

In addition to the above there were 7,591 deaths of non-civilian males in this country allocated to influenza in 1918 and 2,899 in 1919 during the epidemic period, or 10,490 in all. This number has to be increased to an uncertain extent, say to 14,000 to allow for deaths really due to influenza but allocated to other causes. The non-civilian mortality of the preceeding years was so small that it may be left out of account. This addition to the civilian deaths brings the total to 198,000, and in view of the uncertainties of the estimation the round figure of 200,000 deaths attributable to the epidemic (in addition to about 7,000 which the average rate of recent mortality would have accounted for) may be accepted as adequately summing up its results.

*Age Distribution.*—The type of age distribution which had consistently characterised influenza mortality for many years suddenly and completely changed with the onset of the summer epidemic of 1918, and the new type then established continued to characterise the succeeding waves of the outbreak. The nature of the change is shown by Diagram I, which represents the age incidence of mortality attributed to influenza during the epidemic of 1847–48 and from 1890 onwards to the recent epidemic (page 38).

In order to avoid the difficulty caused by the depletion of the male population by war service during the recent outbreak the comparison refers throughout to females only.

It also refers throughout only to deaths allocated in tabulation to influenza—a more serious defect than the limitation to females. Nearly all (about 98 per cent. in the recent epidemic) of the deaths in certifying which any mention is made of influenza are allocated in tabulation to that cause; but a large proportion of the deaths caused by influenza are attributed to other causes without any mention being made of influenza. This proportion works out for the epidemic of 1918–19, from the figures already quoted, at about a quarter, but in previous years of prevalence it has been very much higher. Thus in London in the outbreaks of 1892, 1895, and 1900 the proportion borne by deaths allocated to influenza to the number of deaths shown—by the excess of mortality during the six or eight weeks of serious epidemic prevalence over the average for the same weeks during the preceding ten years—to have been attributable to the epidemic was  $\frac{1}{4}$ – $\frac{1}{3}$  only. Under these conditions there can be no certainty that the age incidence tabulated is truly characteristic of the period, since more deaths really due to influenza may be attributed to other causes at one time of life than at another, but no alternative course is available. Estimation of the total number of deaths due to but not attributed to influenza is, as has been seen, a matter of doubt and difficulty, which would be greatly increased by the attempt to establish their age distribution.

This attempt has been made for the single year 1891 only, and for excess deaths from bronchitis and pneumonia alone. The method followed was the one suggested in the Report for that year. Normal numbers of deaths from bronchitis and pneumonia for the year were determined by applying the average mortalities for the recently completed decennium at each age to the 1891 census population, and the difference between the numbers so calculated and those actually recorded was assumed to be due to influenza. The surplus bronchitis deaths amounted to 87 per cent. and the corresponding pneumonia deaths to 74 per cent. of those actually classed to influenza. Of these 33 per cent. were of children under five years of age, and 31 per cent. of old persons over 65 years of age, nearly all the remainder occurring between 35 and 65, so that the missed influenza mortality at 15–35 was quite small.\* Full statement, therefore, of the epidemic mortality in 1891 would greatly increase the deaths classed to influenza at other ages, but would have little effect upon ages 15–35. We may probably infer from this result that a full statement of influenza mortality during 1890–1917, were it available, would increase rather than diminish the contrast with 1918–19 brought out by Diagram I, since the deaths at 15 to 35, which form the characteristic feature of the recent outbreak, would be relatively fewer than ever during the earlier years, *i.e.*, if we may accept 1891 as a sample of these.

A third minor difficulty is involved by the alteration in the age distribution of the female population which has occurred since 1847. This makes it unsatisfactory to compare simply the proportions of deaths at different ages, for the decrease in the proportion of children in the population would of itself lead to a decrease in the proportion of deaths at 0–15, and other ages would be similarly affected. For this reason the age incidence of the mortality has been standardized by ascertaining the death-rate for each age period in each year compared and applying these rates to a standard female population throughout—that of 1901.

The change which occurred with the onset of the 1918 epidemic may be seen by a glance at Diagram I. Deaths at 0–15 and especially at 15–35, which had formed since 1889 a fairly uniform proportion of the whole number, with a tendency of late years to decrease in relative importance, suddenly increased from 7–11 per cent. at 0–15 to 25 per cent., and from 8–10 per cent. at 15–35 to 45 per cent. In middle age, 35–55, the proportion was comparatively little affected, but shows some increase over the years immediately preceding. At 55–75 and at ages over 75, which together had for many years provided 60–70 per cent. of the total deaths registered, the proportion fell to 10 per cent. at 55–75, and 2 per cent. at 75 and upwards.

It may be doubted whether so sudden and so complete a change of age incidence can be paralleled in the history of any other disease—yet all the weight of medical testimony goes to show that the influenza of 1918 was essentially the same as that of former years. Attempts have been made

\* It amounted to rather less than 4 per cent. of the total at all ages, whereas the mortality at 15 to 35 attributed to influenza was 13·2 per cent. of the total at all ages.



TABLE I.—ENGLAND and WALES, DEATHS of FEMALES from INFLUENZA in 1847 and 1848 and in 1890 to 1918: AGE DISTRIBUTION of STANDARDIZED MORTALITY in each YEAR. (See Diagram I, page 38.)

| Age Groups.        | Standardized Deaths per 1,000 at all Ages. |       |       |       |       |       |       |       |       |       |       |       |
|--------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                    | 1847.                                      | 1848. | 1890. | 1891. | 1892. | 1893. | 1894. | 1895. | 1896. | 1897. | 1898. | 1899. |
| 0-15 ... ..        | 237  | 221   | 146   | 106   | 86    | 108   | 132   | 113   | 162   | 132   | 113   | 102   |
| 15-35 ... ..       | 63   | 59    | 168   | 132   | 105   | 142   | 123   | 100   | 134   | 125   | 98    | 99    |
| 35-55 ... ..       | 110  | 110   | 232   | 225   | 199   | 209   | 181   | 171   | 230   | 193   | 171   | 188   |
| 55-75 ... ..       | 358  | 369   | 304   | 382   | 406   | 372   | 375   | 390   | 324   | 375   | 387   | 392   |
| 75 and upwards ... | 232  | 241   | 150   | 155   | 204   | 169   | 189   | 226   | 150   | 175   | 231   | 219   |
| All ages ... ..    | 1,000                                      | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |

|                    | 1900. | 1901. | 1902. | 1903. | 1904. | 1905. | 1906. | 1907. | 1908. | 1909. | 1910. | 1911. |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0-15 ... ..        | 78    | 123   | 106   | 118   | 127   | 107   | 107   | 105   | 91    | 81    | 94    | 113   |
| 15-35 ... ..       | 81    | 121   | 113   | 114   | 105   | 108   | 106   | 90    | 99    | 102   | 98    | 105   |
| 35-55 ... ..       | 164   | 209   | 185   | 173   | 170   | 169   | 184   | 163   | 165   | 163   | 156   | 191   |
| 55-75 ... ..       | 418   | 379   | 377   | 383   | 390   | 391   | 390   | 404   | 403   | 413   | 400   | 386   |
| 75 and upwards ... | 259   | 168   | 219   | 212   | 208   | 225   | 213   | 238   | 242   | 241   | 252   | 205   |
| All ages ... ..    | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |

|                    | 1912. | 1913. | 1914. | 1915. | 1916. | 1917. | 1918. | 1918.<br>1st<br>Quarter. | 1918.<br>Apr. 1—<br>June 22. | 1918.<br>June 23—<br>Sept. 30. | 1918.<br>4th<br>Quarter. | 1919.<br>Jan. 1—<br>May 10. |
|--------------------|-------|-------|-------|-------|-------|-------|-------|--------------------------|------------------------------|--------------------------------|--------------------------|-----------------------------|
| 0-15 ... ..        | 110   | 91    | 104   | 106   | 73    | 93    | 249   | 142                      | 103                          | 188                            | 258                      | 190                         |
| 15-35 ... ..       | 100   | 110   | 100   | 94    | 80    | 90    | 454   | 101                      | 133                          | 426                            | 465                      | 373                         |
| 35-55 ... ..       | 159   | 173   | 169   | 143   | 140   | 139   | 176   | 160                      | 185                          | 213                            | 172                      | 200                         |
| 55-75 ... ..       | 391   | 382   | 382   | 376   | 392   | 387   | 98    | 381                      | 384                          | 135                            | 88                       | 179                         |
| 75 and upwards ... | 240   | 244   | 245   | 281   | 315   | 291   | 23    | 216                      | 195                          | 38                             | 17                       | 58                          |
| All ages ... ..    | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000                    | 1,000                        | 1,000                          | 1,000                    | 1,000                       |

to explain the change as due to alteration in the circumstances of the population. Thus it has been suggested that aggregation of young women in munition works in 1918 may partly account for their specially heavy mortality. No simple explanation on these lines is possible. In the first place, during a great pandemic of influenza, like that of 1918, practically all the population, old and young alike, must sooner or later be exposed to considerable risk of infection. Secondly, the alteration of age incidence is reported from many countries, neutral as well as belligerent during the war, although the social and economic consequences of the war must have been far less serious in the neutral countries and in others such as India and the United States than amongst the European belligerents. Thirdly, the change occurred suddenly, as will be shown later, during the month of June, 1918. It may be seen from Diagram I, that the old type of age incidence held full sway during 1917. The alteration in age incidence accompanying the increased prevalence and fatality of the disease in 1918 seems to be more easily explained by a sudden change in the infecting organism than in the soil provided for its growth.

The extent of this alteration may be gathered from Diagram II, which compares the increases of mortality amongst females of different ages in the fourth quarter of 1918 over their average mortality during the fourth quarters of 1914-17. The death-rates themselves are as follows (per thousand population):—

| —        | 0-    | 5-   | 10-  | 15-  | 20-   | 25-   | 30-   | 35-  | 40-  | 45-  | 50-  | 55-  | 60-  | 65-   | 70-   | 75-   | 80-   | 85 &<br>up. |
|----------|-------|------|------|------|-------|-------|-------|------|------|------|------|------|------|-------|-------|-------|-------|-------------|
| 1914-17  | ·10   | ·02  | ·03  | ·04  | ·01   | ·03   | ·05   | ·07  | ·10  | ·14  | ·21  | ·32  | ·51  | ·85   | 1·62  | 2·57  | 4·36  | 6·71        |
| 1918 ... | 15·17 | 6·41 | 4·90 | 8·32 | 12·73 | 17·83 | 15·37 | 9·76 | 7·53 | 7·89 | 8·43 | 7·50 | 8·76 | 11·93 | 11·53 | 11·51 | 11·14 | 13·42       |

It will be seen from Diagram II that at 25-30 the mortality of the fourth quarter of 1918 was 540\* times greater than the average for the fourth quarters of the four preceding years and that with advancing age this excess fell, rapidly at first but afterwards more gradually, until at 85 and upwards the proportion is only about two to one. At ages 80-85 and 85 on, in fact, the influenza mortality of females was actually higher in the fourth quarter of 1916 than in that of 1918. Below the age of 25 the proportion varies from 150 times the previous mortality at 0-5 to 354 times at 20-25.

The change in the incidence of mortality upon males of different ages has been similar, but cannot be traced in the same detail because of the lack of estimates of male population at different

\* The ratios shown in Diagram II are based upon rates per million, and therefore differ somewhat from those deducible from the foregoing statement.



ages between 15 and 45. Even if these were available, moreover, the deterioration during the war of the civilian remnant at these ages would seriously vitiate the comparison.

The evidence that this change occurred suddenly, with the onset of the epidemic, must now be considered. The deaths of females of different ages which have been allocated to influenza during each quarter of 1918 and the first quarter of 1919 are stated in the following table, which also shows the proportionate distribution of these deaths per 1,000 at all ages. As the comparison

TABLE II.—ENGLAND AND WALES.—DEATHS OF FEMALES OF DIFFERENT AGES ALLOCATED TO INFLUENZA in each QUARTER of 1918 and in the FIRST QUARTER of 1919. (*See* Diagram III.)

| Age Groups.       | Deaths registered in each Quarter. |                          |                          |                          |                          | Proportions per 1,000 at all Ages. |                          |                          |                          |                          |
|-------------------|------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                   | 1918.<br>1st<br>Quarter.           | 1918.<br>2nd<br>Quarter. | 1918.<br>3rd<br>Quarter. | 1918.<br>4th<br>Quarter. | 1919.<br>1st<br>Quarter. | 1918.<br>1st<br>Quarter.           | 1918.<br>2nd<br>Quarter. | 1918.<br>3rd<br>Quarter. | 1918.<br>4th<br>Quarter. | 1919.<br>1st<br>Quarter. |
| 0— ... ..         | 32                                 | 9                        | 87                       | 915                      | 550                      | 41                                 | 14                       | 16                       | 18                       | 30                       |
| 1— ... ..         | 16                                 | 12                       | 77                       | 1,694                    | 505                      | 21                                 | 19                       | 14                       | 33                       | 28                       |
| 2— ... ..         | 5                                  | 4                        | 65                       | 1,547                    | 407                      | 6                                  | 6                        | 12                       | 30                       | 22                       |
| 3— ... ..         | 7                                  | 5                        | 61                       | 1,278                    | 287                      | 9                                  | 8                        | 12                       | 25                       | 16                       |
| 4— ... ..         | 6                                  | 3                        | 61                       | 1,077                    | 241                      | 8                                  | 5                        | 12                       | 21                       | 13                       |
| 0— ... ..         | 66                                 | 33                       | 351                      | 6,511                    | 1,990                    | 85                                 | 52                       | 66                       | 127                      | 109                      |
| 5— ... ..         | 14                                 | 16                       | 272                      | 3,115                    | 638                      | 18                                 | 25                       | 51                       | 60                       | 35                       |
| 10— ... ..        | 10                                 | 12                       | 261                      | 2,342                    | 421                      | 13                                 | 19                       | 49                       | 45                       | 23                       |
| 15— ... ..        | 18                                 | 30                       | 447                      | 3,732                    | 901                      | 23                                 | 47                       | 84                       | 72                       | 49                       |
| 20— ... ..        | 17                                 | 35                       | 520                      | 5,549                    | 1,451                    | 22                                 | 55                       | 98                       | 107                      | 79                       |
| 25— ... ..        | 11                                 | 48                       | 647                      | 7,724                    | 2,290                    | 14                                 | 75                       | 121                      | 150                      | 124                      |
| 30— ... ..        | 24                                 | 30                       | 514                      | 6,251                    | 1,919                    | 31                                 | 47                       | 96                       | 121                      | 105                      |
| 35— ... ..        | 30                                 | 27                       | 389                      | 3,643                    | 1,184                    | 39                                 | 42                       | 73                       | 70                       | 65                       |
| 40— ... ..        | 36                                 | 37                       | 330                      | 2,450                    | 885                      | 47                                 | 58                       | 62                       | 47                       | 48                       |
| 45— ... ..        | 23                                 | 31                       | 303                      | 2,197                    | 942                      | 30                                 | 48                       | 57                       | 42                       | 52                       |
| 50— ... ..        | 41                                 | 33                       | 263                      | 1,990                    | 1,061                    | 53                                 | 51                       | 49                       | 38                       | 58                       |
| 55— ... ..        | 50                                 | 39                       | 221                      | 1,422                    | 860                      | 65                                 | 61                       | 41                       | 28                       | 47                       |
| 60— ... ..        | 63                                 | 52                       | 222                      | 1,312                    | 915                      | 82                                 | 81                       | 42                       | 25                       | 50                       |
| 65— ... ..        | 86                                 | 55                       | 184                      | 1,427                    | 963                      | 111                                | 86                       | 35                       | 28                       | 53                       |
| 70— ... ..        | 109                                | 65                       | 174                      | 1,028                    | 793                      | 141                                | 101                      | 33                       | 20                       | 43                       |
| 75— ... ..        | 85                                 | 47                       | 115                      | 600                      | 599                      | 110                                | 73                       | 22                       | 12                       | 33                       |
| 80— ... ..        | 53                                 | 31                       | 82                       | 266                      | 304                      | 69                                 | 48                       | 15                       | 5                        | 17                       |
| 85 and upwards... | 36                                 | 20                       | 34                       | 145                      | 174                      | 47                                 | 31                       | 6                        | 3                        | 10                       |
| All Ages ...      | 772                                | 641                      | 5,329                    | 51,704                   | 18,290                   | 1,000                              | 1,000                    | 1,000                    | 1,000                    | 1,000                    |

in this case covers but a short period of time, there is no need to standardize, as in Table I. The age distribution of the deaths registered during each of these five quarters is represented in Diagram III. This shows very clearly the two types of age incidence—that prevalent prior to the recent epidemic, as exemplified by the first quarter of 1918, where the victims were chiefly old people, and the type of the epidemic, exemplified by each of the last three quarters charted, where the stress of mortality fell upon young adults. Both types have this in common, that children under five years of age suffer a higher mortality than their immediate seniors. The curve for the second quarter is peculiar in that it presents the peaks characteristic of both types, which in all cases occur at the same age periods, 25–30 and 70–75. When it is remembered that the summer wave started during the last few days of this quarter the idea that this curve is compounded of the old and the new types at once suggests itself.

This proves on investigation to be the case, the deaths occurring during the first twelve weeks of the quarter conforming to the old type of age distribution and those of its last eight days to the new. (It is necessary here to tabulate by date of occurrence, not of registration, as many of the epidemic deaths of the last few days of the second quarter were registered in the third.) The onset of the epidemic, and the simultaneous change in the age distribution of influenza mortality, are brought out by the following statement, showing the deaths of all persons during the quarter grouped by week of occurrence and by age.

| Week ending              | All Ages. | 0—  | 15— | 35— | 55— | 75 and<br>upwards. |
|--------------------------|-----------|-----|-----|-----|-----|--------------------|
| April 6 ... ..           | 100       | 8   | 7   | 15  | 47  | 23                 |
| " 13 ... ..              | 119       | 16  | 8   | 28  | 46  | 21                 |
| " 20 ... ..              | 85        | 6   | 6   | 16  | 38  | 19                 |
| " 27 ... ..              | 102       | 7   | 9   | 21  | 46  | 19                 |
| May 4 ... ..             | 99        | 5   | 10  | 20  | 48  | 16                 |
| " 11 ... ..              | 80        | 5   | 7   | 19  | 39  | 10                 |
| " 18 ... ..              | 94        | 9   | 11  | 21  | 39  | 14                 |
| " 25 ... ..              | 84        | 5   | 13  | 24  | 36  | 6                  |
| June 1 ... ..            | 49        | 5   | 14  | 8   | 18  | 4                  |
| " 8 ... ..               | 43        | 1   | 8   | 9   | 19  | 6                  |
| " 15 ... ..              | 59        | 2   | 8   | 21  | 19  | 9                  |
| " 22 ... ..              | 79        | 6   | 18  | 26  | 23  | 6                  |
| 8 days to June 30 ... .. | 706       | 116 | 303 | 174 | 92  | 21                 |



The age distribution of the 993 deaths during the first twelve weeks compares as follows with that of the 706 deaths of the last eight days :—

| —                     | 0—  | 15— | 35— | 55— | 75— | All Ages. |
|-----------------------|-----|-----|-----|-----|-----|-----------|
| First 12 weeks ... .. | 76  | 120 | 230 | 420 | 154 | 1,000     |
| Last 8 days ... ..    | 164 | 430 | 246 | 130 | 30  | 1,000     |

The proportion of deaths under 55 years of age, which had been 43 per cent. during the first twelve weeks, suddenly rose to 84 per cent. in the thirteenth, when the weekly deaths rose from 79 to 511. The statement on page 9 indeed suggests that the first few deaths of the epidemic may have occurred during the twelfth week, when the weekly deaths rose from an average of 50 during the three preceding weeks—the lowest mortality reached during the quarter—to 79, and when for the first time the proportion of deaths under 55 years of age materially exceeded 50 per cent.; but for all practical purposes the epidemic may be regarded as having started in the week ending June 29.

The history of the age distribution of mortality attributed to influenza during the epidemic is recorded in Table III and the corresponding Diagram IV, which show how this mortality was shared by each period of life during each of the 46 weeks of the epidemic period and also during the two weeks preceding it. As the total period dealt with is one of less than a year, changes in the composition of the population at risk cannot affect the comparison very much, demobilisation commencing to tell seriously only towards its close. For this reason deaths of males as well as females have been included in the comparison, thereby increasing the material, which would otherwise have been very scanty, during the depression between the first and second waves of the epidemic. From October 1st onwards the deaths tabulated include all with reference to which mention was made of influenza on the certificate, but prior to that date only those allocated to influenza (*see* page 32).

Each of the superposed curves in the diagram represents the proportion of the mortality of each week falling below a certain age—5, 15, 25, 35, etc.—the final “curve” being the straight line representing 1,000 at all ages. The thick vertical lines dividing the diagram into three sections correspond with the bottoms of the two troughs between the three waves of the epidemic; and the week in which each of the waves attained its maximum mortality is distinguished by the crosses marked on each curve.

The table and especially the diagram bring out the interesting fact that the commencement of each of the two later waves was marked by a change in age distribution similar in nature though less in extent than that which at the commencement of the first wave differentiated the epidemic from the pre-epidemic period. This is more marked at the commencement of the second wave than of the third, though distinct in both cases. The second wave, the greatest of the three, carried the new type of age distribution to a greater extreme than either of the other two (Diagrams I and III); and both for this reason and because the greater duration of the interval between the first and second waves (Diagram V) permitted of more return towards the non-epidemic type of age distribution than the shorter and less complete intermission of mortality between the second and third waves, the onset of the second wave naturally had a greater effect than that of the third.

The still greater change from the pre-epidemic distribution to that at the commencement of the first wave is indicated by the broken lines at the commencement of the diagram, which show the positions in the two weeks previous to the commencement of the epidemic. These help to demonstrate the fact that the change accompanying the onsets of the two later waves was essentially similar to that differentiating the epidemic as a whole from the influenza mortality previously recorded.

The point of time at which the abrupt change from decreasing to increasing youthfulness of decedents occurs tends to precede that of the change from decreasing to increasing mortality, as in the case of the similar change in age distribution accompanying the onset of the first wave in June (*vide supra*). This is clearly marked at ages over 25 in the first remission of mortality and at ages under 45 in the second. It is interesting as an indication in the mortality returns, appearing at a time when the numbers of deaths occurring gave no sign of immediate recurrence, that another wave of mortality was to be expected. It was especially the proportion of deaths between 20 and 35—those, be it noted, particularly characteristic of this epidemic as a whole—which increased in this way before the commencement of the second and third waves. It seems as if the change in the infection which suddenly converted influenza from an endemic fatal to the old to a pandemic fatal to young adults received reinforcement before each recurrence. But so far as adults are concerned the maximum change in age distribution consistently precedes the period of maximum mortality, and that by a much greater interval than that by which exaggeration of the new type of age distribution precedes increase in mortality at the commencement of the wave.

*Course and Local Distribution of the Epidemic.*—Judged by the numbers of deaths ascribed to the disease the commencement of the epidemic in this country may be located in the week ending June 29th, when 511 deaths occurred which were ascribed to influenza, as against 79 in the previous week. The numbers of such deaths in the earlier weeks of the year had fluctuated between 166 in that ending January 12th and 43 in that ending June 8th, and the 79 for the week ending June 22nd were below the average. But a great, and, as it proved, significant, change had already occurred in their age distribution. Until the 19th of May the deaths at ages over 55 in every week but one had exceeded those under that age (compare Diagrams I and III), but from May 19th to June 15th the numbers under and over 55 were about equal, and in the week ending June 22nd, 50 out of the 79 deaths were at ages under 55. This number compares with 27, 18, and 31 in the three preceding weeks, whereas the 29 deaths of older people compare with 22, 25, and 28 in the same three weeks. Thus the number of deaths over 55 showed little alteration,



TABLE III.—ENGLAND and WALES. AGE INCIDENCE of WEEKLY DEATHS from INFLUENZA. DEATHS at EACH AGE GROUP per 1,000 at ALL AGES. PERSONS (including non-civilians). (See Diagram IV.)

| Week ended | All Ages. | 0-  | 5- | 10- | 15- | 20- | 25- | 30- | 35- | 40- | 45- | 50- | 55- | 60- | 65- | 70- | 75- | 80- | 85 & up. |
|------------|-----------|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|
| 1918.      |           |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |
| June 15    | 1,000     | 34  | —  | —   | 51  | —   | 51  | 34  | 102 | 102 | 34  | 118 | 68  | 118 | 68  | 68  | 118 | 17  | 17       |
| " 22       | 1,000     | —   | 38 | 38  | 38  | 89  | 89  | 13  | 101 | 76  | 51  | 100 | 76  | 63  | 63  | 89  | 63  | 13  | —        |
| " 29       | 1,000     | 45  | 63 | 47  | 139 | 88  | 129 | 92  | 80  | 51  | 51  | 55  | 35  | 37  | 29  | 27  | 20  | 10  | 2        |
| July 6     | 1,000     | 44  | 52 | 55  | 98  | 108 | 124 | 98  | 78  | 53  | 65  | 62  | 34  | 40  | 33  | 30  | 13  | 9   | 4        |
| " 13       | 1,000     | 58  | 44 | 44  | 81  | 85  | 117 | 114 | 69  | 74  | 64  | 63  | 48  | 48  | 35  | 31  | 12  | 9   | 4        |
| " 20       | 1,000     | 77  | 40 | 41  | 83  | 82  | 108 | 97  | 78  | 69  | 73  | 59  | 52  | 41  | 41  | 29  | 17  | 10  | 3        |
| " 27       | 1,000     | 100 | 52 | 39  | 73  | 66  | 97  | 95  | 62  | 70  | 64  | 64  | 44  | 56  | 50  | 33  | 25  | 8   | 2        |
| Aug. 3     | 1,000     | 95  | 50 | 48  | 67  | 62  | 102 | 82  | 64  | 67  | 62  | 51  | 51  | 61  | 54  | 29  | 35  | 15  | 5        |
| " 10       | 1,000     | 102 | 26 | 23  | 87  | 49  | 66  | 81  | 90  | 72  | 75  | 43  | 55  | 58  | 52  | 52  | 43  | 20  | 6        |
| " 17       | 1,000     | 110 | 68 | 27  | 61  | 76  | 72  | 76  | 27  | 57  | 72  | 65  | 61  | 53  | 53  | 57  | 42  | 19  | 4        |
| " 24       | 1,000     | 67  | 45 | 56  | 45  | 73  | 45  | 45  | 73  | 45  | 89  | 73  | 51  | 79  | 62  | 62  | 34  | 45  | 11       |
| " 31       | 1,000     | 74  | 34 | 47  | 67  | 47  | 54  | 54  | 67  | 47  | 86  | 54  | 40  | 54  | 67  | 67  | 74  | 54  | 13       |
| Sept. 7    | 1,000     | 90  | 60 | 52  | 52  | 52  | 52  | 60  | 37  | 75  | 97  | 37  | 82  | 60  | 75  | 37  | 30  | 30  | 22       |
| " 14       | 1,000     | 68  | 43 | 34  | 51  | 60  | 103 | 94  | 43  | 60  | 77  | 68  | 34  | 68  | 51  | 60  | 77  | —   | 9        |
| " 21       | 1,000     | 47  | 35 | 35  | 88  | 99  | 105 | 70  | 82  | 47  | 47  | 64  | 70  | 53  | 58  | 29  | 12  | 12  |          |
| " 28       | 1,000     | 55  | 52 | 34  | 107 | 123 | 152 | 110 | 69  | 62  | 17  | 59  | 28  | 41  | 38  | 24  | 10  | 7   | 7        |
| Oct. 5     | 1,000     | 64  | 45 | 50  | 88  | 193 | 191 | 129 | 61  | 46  | 15  | 15  | 26  | 21  | 24  | 17  | 11  | 3   | 1        |
| " 12       | 1,000     | 76  | 61 | 56  | 110 | 132 | 167 | 121 | 74  | 58  | 45  | 25  | 16  | 18  | 16  | 13  | 7   | 4   | 1        |
| " 19       | 1,000     | 111 | 65 | 48  | 87  | 116 | 142 | 131 | 80  | 56  | 41  | 34  | 23  | 21  | 20  | 12  | 9   | 3   | 1        |
| " 26       | 1,000     | 107 | 67 | 51  | 84  | 109 | 146 | 133 | 79  | 55  | 45  | 36  | 22  | 19  | 22  | 13  | 8   | 3   | 1        |
| Nov. 2     | 1,000     | 127 | 64 | 46  | 79  | 104 | 147 | 130 | 78  | 53  | 45  | 34  | 23  | 21  | 20  | 15  | 8   | 4   | 2        |
| " 9        | 1,000     | 134 | 62 | 40  | 80  | 102 | 152 | 129 | 78  | 51  | 44  | 35  | 25  | 20  | 21  | 15  | 7   | 3   | 2        |
| " 16       | 1,000     | 146 | 63 | 43  | 71  | 89  | 141 | 121 | 72  | 53  | 46  | 41  | 29  | 25  | 27  | 18  | 10  | 3   | 2        |
| " 23       | 1,000     | 137 | 56 | 38  | 71  | 89  | 136 | 117 | 70  | 51  | 48  | 45  | 32  | 32  | 34  | 22  | 14  | 5   | 3        |
| " 30       | 1,000     | 127 | 49 | 36  | 70  | 91  | 143 | 122 | 72  | 53  | 49  | 44  | 33  | 34  | 32  | 24  | 13  | 5   | 3        |
| Dec. 7     | 1,000     | 139 | 46 | 37  | 66  | 88  | 137 | 120 | 66  | 51  | 52  | 46  | 35  | 36  | 33  | 26  | 14  | 6   | 2        |
| " 14       | 1,000     | 160 | 51 | 34  | 59  | 80  | 126 | 117 | 70  | 55  | 47  | 49  | 37  | 33  | 36  | 22  | 16  | 5   | 3        |
| " 21       | 1,000     | 148 | 57 | 35  | 58  | 76  | 116 | 103 | 68  | 51  | 57  | 55  | 39  | 39  | 41  | 29  | 15  | 9   | 4        |
| " 28       | 1,000     | 150 | 62 | 27  | 71  | 67  | 102 | 99  | 59  | 59  | 49  | 55  | 50  | 38  | 42  | 30  | 23  | 12  | 5        |
| 1919.      |           |     |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |
| Jan. 4     | 1,000     | 118 | 60 | 30  | 62  | 70  | 114 | 109 | 71  | 47  | 58  | 39  | 47  | 47  | 48  | 36  | 21  | 13  | 10       |
| " 11       | 1,000     | 98  | 40 | 30  | 75  | 76  | 104 | 104 | 46  | 62  | 54  | 70  | 54  | 46  | 50  | 46  | 29  | 11  | 5        |
| " 18       | 1,000     | 111 | 24 | 30  | 53  | 79  | 106 | 74  | 82  | 63  | 69  | 43  | 69  | 53  | 40  | 38  | 35  | 21  | 10       |
| " 25       | 1,000     | 105 | 46 | 38  | 58  | 66  | 100 | 97  | 60  | 47  | 64  | 58  | 57  | 53  | 47  | 44  | 31  | 22  | 7        |
| Feb. 1     | 1,000     | 106 | 44 | 30  | 61  | 84  | 122 | 113 | 76  | 49  | 37  | 59  | 39  | 57  | 46  | 33  | 24  | 12  | 8        |
| " 8        | 1,000     | 117 | 31 | 29  | 46  | 97  | 134 | 102 | 74  | 62  | 58  | 47  | 45  | 47  | 42  | 26  | 26  | 12  | 5        |
| " 15       | 1,000     | 111 | 34 | 20  | 48  | 83  | 138 | 126 | 73  | 59  | 49  | 54  | 43  | 49  | 39  | 36  | 20  | 9   | 9        |
| " 22       | 1,000     | 108 | 28 | 18  | 51  | 84  | 140 | 121 | 73  | 57  | 55  | 54  | 43  | 44  | 48  | 37  | 21  | 12  | 6        |
| Mar. 1     | 1,000     | 113 | 33 | 21  | 53  | 78  | 129 | 112 | 73  | 54  | 56  | 61  | 49  | 43  | 49  | 34  | 24  | 12  | 6        |
| " 8        | 1,000     | 129 | 31 | 20  | 52  | 69  | 118 | 109 | 65  | 55  | 59  | 56  | 49  | 47  | 57  | 36  | 30  | 12  | 6        |
| " 15       | 1,000     | 127 | 33 | 22  | 50  | 69  | 114 | 92  | 68  | 57  | 65  | 56  | 51  | 56  | 48  | 45  | 27  | 12  | 8        |
| " 22       | 1,000     | 133 | 28 | 17  | 34  | 60  | 102 | 108 | 67  | 63  | 55  | 55  | 55  | 65  | 62  | 46  | 31  | 14  | 5        |
| " 29       | 1,000     | 121 | 30 | 19  | 41  | 53  | 96  | 94  | 73  | 61  | 61  | 65  | 53  | 56  | 60  | 56  | 37  | 15  | 9        |
| Apr. 5     | 1,000     | 106 | 38 | 18  | 50  | 62  | 89  | 86  | 71  | 60  | 61  | 57  | 59  | 60  | 59  | 56  | 42  | 12  | 14       |
| " 12       | 1,000     | 99  | 25 | 26  | 43  | 65  | 85  | 102 | 73  | 66  | 58  | 58  | 40  | 54  | 60  | 66  | 44  | 25  | 11       |
| " 19       | 1,000     | 91  | 31 | 28  | 53  | 60  | 87  | 79  | 60  | 58  | 58  | 67  | 60  | 55  | 83  | 47  | 49  | 23  | 11       |
| " 26       | 1,000     | 97  | 29 | 25  | 55  | 55  | 80  | 69  | 53  | 49  | 65  | 67  | 80  | 71  | 76  | 35  | 45  | 31  | 18       |
| May 3      | 1,000     | 75  | 38 | 28  | 42  | 49  | 56  | 68  | 70  | 45  | 66  | 83  | 63  | 77  | 88  | 63  | 49  | 31  | 9        |
| " 10       | 1,000     | 72  | 21 | 24  | 41  | 55  | 62  | 68  | 51  | 62  | 62  | 79  | 68  | 72  | 82  | 75  | 58  | 34  | 14       |

while that at lower ages was almost doubled, and, in light of what occurred in the following week, this suggests that these additional deaths of young persons may represent the first fruits of the great epidemic.

However this may be, there can be no doubt as to the record for the week ending June 29th, when the deaths under 55 increased from 50 to 429 and those of older persons from 29 to 82, the proportion under 55 thus leaping from about 50 per cent. during the four weeks ending June 15th to 63 per cent. in the next week, and 84 per cent. in that ending June 29th, which may be regarded for working purposes as the first of the epidemic, throughout the subsequent course of which this proportion fluctuated between 60 and 93 per cent. (Diagram IV).

The details of the daily deaths throughout this initial period of the epidemic are as follows :—

|                     |     | June |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|---------------------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Day of Month—       |     | 16.  | 17. | 18. | 19. | 20. | 21. | 22. | 23. | 24. | 25. | 26. | 27. | 28. | 29. | 30. |
| Deaths under 55 ... | ... | 3    | 3   | 7   | 8   | 7   | 8   | 14  | 22  | 38  | 23  | 51  | 89  | 85  | 121 | 164 |
| Deaths over 55 ...  | ... | —    | 4   | 3   | 4   | 7   | 7   | 4   | 4   | 10  | 9   | 8   | 11  | 14  | 26  | 31  |
| Total deaths...     | ... | 3    | 7   | 10  | 12  | 14  | 15  | 18  | 26  | 48  | 32  | 59  | 100 | 99  | 147 | 195 |



The steady increase in the number of deaths from the middle of the month onwards, as well as the increasing proportion of deaths under 55, makes it fairly evident that the actual commencement of the epidemic mortality must be dated back to the third week in June.

The localities chiefly affected at the commencement of the outbreak will be found in the table of weekly deaths and corresponding annual death-rates per 1,000 population on pages 48-80. This table presents these facts for the metropolitan and county boroughs, for other towns of over 20,000 population at the census of 1911, and for the remaining portions of administrative counties. The facts and rates are stated in conjunction in order to show the basis of fact upon which each rate is founded, and so to prevent exaggeration of the significance of a mortality based upon one or two deaths only, which of course merely shows that the rate during the week in question was insignificant.

Nearly all the highest rates in the week ended June 29th are returned by northern areas. Amongst these the adjoining towns of Bacup and Rawtenstall stand out with remarkable prominence. The seven deaths in each town during the week represent death-rates of 19·4 and 14·5 per annum respectively, which are far in excess of the next highest rate in the table, that for Huddersfield, 7·9 per annum. The 16 deaths in Huddersfield all occurred during the last four days of the week, following an interval of five weeks without a death, but Bacup returned two deaths in the previous week, representing the equally outstanding mortality for that week of 5·6 per annum.

But though Bacup and Rawtenstall supply some of the earliest evidence of epidemic prevalence, and were the first areas to suffer a really serious mortality, no definite evidence can be found in the table that this or any other locality can claim the doubtful distinction of being the first affected in the country. Bacup was the first place to suffer badly, and may have been the first to suffer at all, from the epidemic, but this flared up in so many widely separated parts of the country during the last week of June that it is impossible from the death returns to trace any geographical spread of infection. The North, as stated, suffered most at the commencement, as it did also throughout the whole course of the first wave of epidemic prevalence; but during this week London and the adjoining counties, Glamorgan and Monmouth, and Birmingham and its neighbourhood also returned considerable numbers of deaths. It may or may not be a matter of significance that during this week the only seaports appreciably affected, other than London, were those of the north east coast, Hull (1·5), Middlesbrough (4·5), Hartlepool (5·7), West Hartlepool (3·4), Sunderland (3·6), and Newcastle (1·0) being cases in point, whereas the ports of the south and west coasts all remained practically unaffected during the same period. Other towns figuring prominently in the returns for the week, with the weekly death-rates yielded in each case, are Bury (5·1), Rochdale (3·8), and Merthyr Tydfil (3·6) amongst the county boroughs, and Swinton and Pendlebury (5·7), Eston (5·5), and Stockton (4·6) amongst the smaller towns, the two latter evidently forming part of the Middlesbrough area of prevalence. It is somewhat remarkable, on the other hand, that none of the many towns in the neighbourhood of Bacup and Rawtenstall yielded particularly high rates. It is very evident, however, when the deaths of this first week are plotted on a map, that the northern area most affected, apart from the seaports mentioned, was the eastern portion of Lancashire with the adjoining western portion of Yorkshire. Amongst the counties (*i.e.* excluding towns of over 20,000 population) Monmouth and the North and West Ridings of Yorkshire come first, followed by Surrey, Durham, Lancashire, and the East Riding. Apart from the insignificant results yielded by single deaths in a couple of small counties these were the only county rates attaining the level—0·7 per 1,000—reached by the whole country in this week, so the earlier affection of the towns is very evident. It is not that the towns suffered excessively, for the rates for all classes of area throughout the whole epidemic were much the same, but the towns suffered first, and during the first wave of the epidemic they suffered considerably more than the more rural areas. (Table IX).

During the week ending July 6th, when the mortality for England and Wales was 3·3, that for a considerable number of areas reached its culmination so far as the first wave is concerned. These include, amongst county boroughs, Burnley (18·4), Huddersfield (17·8), Middlesbrough (14·4), Preston (14·3), Sunderland (13·0), and Salford (12·7). The rate for Rochdale, 17·2, was exceeded in the following week. Among the smaller towns Bacup (33·3) and Brighouse (27·0) reached their maxima with the highest rates recorded during the week. Except for Rhondda (16·6) the other high rates in these towns this week were confined to the North and to Staffordshire. The highest county rates were those for Durham (4·7), Lancashire (4·5), Worcester (3·6), and the West Riding and Stafford (3·5 each), but all of these were exceeded in succeeding weeks.

The mortality of the first of the three waves which constituted the epidemic (see Diagrams V-XIV) reached its culminating point in the third week, that ending July 13th, when the rate for England and Wales was 4·4. Amongst individual areas reaching their first wave maxima in this week were the county boroughs of Rochdale (22·3), West Bromwich (16·3), Oldham (16·0), Darlington (15·6), Walsall (13·1), and Wakefield (12·7). The highest maxima reached during the week in other towns of over 20,000 population were 36·9 in Eston, the highest weekly rate attained during the first wave by any of the 333 areas tabulated, 33·3 in Heywood, 19·3 in Batley, 17·1 in Hartlepool, 16·7 in Ashington, and 16·6 in Hindley. The more rural portions of Durham and Lancashire attained their maxima during this week, with rates of 11·9 and 5·9 respectively.

The number of towns attaining their maximum mortality in the week ending July 20th was much smaller than in the previous week, but that of counties was much greater. The highest maxima for the week were those of Warrington (13·7) and Wigan (11·0) amongst the county boroughs; of Ince in Makerfield (22·8), Stanley (21·5), Stafford (19·4), and Newcastle-under-Lyme (17·4) amongst other towns of over 20,000 population; and Staffordshire (6·2), Cumberland (5·7), Glamorgan (5·6), Derby (5·4), and Nottingham (5·4) amongst the remaining portions of counties.

In the week ending July 27th the number of counties as well as of towns attaining their maximum mortality was much diminished, and thereafter only a few scattered cases of belated maxima occurred in areas which had escaped lightly and where therefore the deaths were as a rule too few for clear definition of the wave of mortality.



The dates at which the maximum mortality was reached in the various areas tabulated are shown in Table VI, which is summarised in the first section of Table IV, as are the corresponding Tables VII and VIII for the two later waves in the second and third sections. The frequencies shown in this table are presented in percentage form in Table V, where it may be seen what proportions of the areas of each class attained their maximum mortality in any given week in each part of the country and in each wave of the epidemic.

The numbers in Table IV do not exactly correspond with those of the areas in Table XX because some of the latter have been omitted as too little affected to show any definable maximum, and others have been included more than once where the highest point was reached in more than one week. In these cases a figure, as (2), following the rate for the area in Tables VI–VIII indicates the number of times the highest point was reached. Tables IV and V show to what extent the full effect of the epidemic was earlier felt in the more than in the less populous areas.

It will have been noticed that practically all the highest rates quoted refer to areas in the North or northern Midlands. The extent to which mortality in the first wave generally decreased from north to south may be seen from Diagrams XI–XIV, and all the highest maxima quoted for the towns refer to the northern counties and to Staffordshire. Of the 18 county boroughs where a mortality of over 10·0 was attained in any week, 15 were in the North and three in Staffordshire. Of the other towns separately listed, 161 in number, of which 52 are in the North, 58 in the Midlands, 36 in the South, and 15 in Wales, 51 attained a maximum mortality of at least 10·0, and of these 34 were in the North, 9 in Staffordshire, 7 in Wales, and 1 (Gainsborough) elsewhere (Table VI). Among the remaining portions of the counties comparatively high maximum rates were attained by the northern counties, by Stafford, Derby, Nottingham, and Worcester in the northern Midlands, and by Glamorgan and Monmouth in Wales, but generally the rates throughout the southern half of England were very low indeed.

TABLE IV.—INFLUENZA, 1918–19.—WEEKS of MAXIMUM MORTALITY in various PARTS of the COUNTRY and CLASSES of AREA.

| Week ending  | North.           |                                  |                   | Midlands.        |                                  |                   | South.           |                                  |                   | Wales.           |                                  |                   | England and Wales.     |                  |                                  |                   |
|--------------|------------------|----------------------------------|-------------------|------------------|----------------------------------|-------------------|------------------|----------------------------------|-------------------|------------------|----------------------------------|-------------------|------------------------|------------------|----------------------------------|-------------------|
|              | County Boroughs. | Adm. Cos.                        |                   | County Boroughs. | Adm. Cos.                        |                   | County Boroughs. | Adm. Cos.                        |                   | County Boroughs. | Adm. Cos.                        |                   | Metropolitan Boroughs. | County Boroughs. | Adm. Cos.                        |                   |
|              |                  | Towns of over 20,000 population. | Rest of Counties. |                  | Towns of over 20,000 population. | Rest of Counties. |                  | Towns of over 20,000 population. | Rest of Counties. |                  | Towns of over 20,000 population. | Rest of Counties. |                        |                  | Towns of over 20,000 population. | Rest of Counties. |
| First Wave.  | June 29 ...      | —                                | —                 | —                | 1                                | —                 | —                | 1                                | —                 | —                | —                                | —                 | 1                      | —                | 2                                | —                 |
|              | July 6 ...       | 10                               | 15                | 3                | 14                               | 3                 | 3                | 7                                | 1                 | —                | 1                                | 1                 | 13                     | 16               | 37                               | 5                 |
|              | 13 ...           | 23                               | 24                | 14               | 19                               | 4                 | 1                | 6                                | 6                 | 2                | 5                                | 1                 | 14                     | 40               | 54                               | 16                |
|              | 20 ...           | 9                                | 15                | 7                | 15                               | 15                | 1                | 7                                | 3                 | —                | 7                                | 6                 | 3                      | 17               | 44                               | 30                |
|              | 27 ...           | 2                                | 5                 | 3                | 4                                | 2                 | 1                | 2                                | 2                 | 2                | 2                                | 3                 | —                      | 8                | 13                               | 7                 |
|              | Aug. 3 ...       | —                                | 1                 | 2                | 1                                | 2                 | —                | 2                                | —                 | —                | 2                                | —                 | —                      | 2                | 6                                | 2                 |
|              | 10 ...           | —                                | —                 | —                | —                                | 2                 | 3                | —                                | —                 | —                | 1                                | 1                 | —                      | 3                | 1                                | 3                 |
|              | 17 ...           | —                                | —                 | —                | —                                | —                 | —                | 1                                | 2                 | —                | —                                | 1                 | —                      | —                | 1                                | 3                 |
|              | Total ...        | 44                               | 60                | 11               | 29                               | 54                | 9                | 26                               | 14                | 4                | 18                               | 13                | 31                     | 86               | 158                              | 66                |
| Second Wave. | Oct. 12 ...      | —                                | —                 | —                | —                                | —                 | —                | —                                | —                 | —                | 1                                | —                 | —                      | —                | 1                                | —                 |
|              | 19 ...           | 1                                | 2                 | 1                | 1                                | —                 | 2                | 2                                | —                 | —                | —                                | —                 | —                      | 4                | 5                                | —                 |
|              | 26 ...           | 3                                | 6                 | 2                | 4                                | 1                 | 2                | 1                                | 1                 | 2                | 2                                | 1                 | 1                      | 9                | 13                               | 3                 |
|              | Nov. 2 ...       | 6                                | 5                 | 8                | 15                               | 4                 | 5                | 19                               | 1                 | —                | 4                                | 2                 | 15                     | 19               | 43                               | 7                 |
|              | 9 ...            | 7                                | 11                | 1                | 14                               | 7                 | 2                | 10                               | 8                 | 1                | 2                                | 1                 | 12                     | 11               | 37                               | 18                |
|              | 16 ...           | 5                                | 6                 | 3                | 9                                | 4                 | —                | 1                                | 2                 | —                | —                                | 4                 | —                      | 8                | 16                               | 10                |
|              | 23 ...           | 7                                | 13                | 1                | 8                                | 3                 | —                | 2                                | —                 | —                | 2                                | 2                 | 1                      | 8                | 25                               | 6                 |
|              | 30 ...           | 11                               | 12                | 10               | 9                                | 6                 | 1                | 3                                | —                 | 1                | 5                                | 3                 | —                      | 23               | 29                               | 15                |
|              | Dec. 7 ...       | 2                                | 5                 | —                | —                                | 1                 | —                | —                                | —                 | —                | —                                | —                 | —                      | 2                | 5                                | 1                 |
|              | 14 ...           | —                                | 1                 | —                | —                                | 1                 | —                | —                                | —                 | —                | —                                | —                 | —                      | —                | 1                                | 1                 |
| Third Wave.  | Total ...        | 42                               | 61                | 9                | 26                               | 60                | 12               | 38                               | 12                | 4                | 16                               | 13                | 29                     | 84               | 175                              | 61                |
|              | Feb. 1 ...       | —                                | —                 | —                | 1                                | —                 | —                | —                                | —                 | —                | —                                | —                 | —                      | —                | 1                                | —                 |
|              | 8 ...            | —                                | —                 | —                | —                                | —                 | —                | 1                                | —                 | —                | —                                | —                 | —                      | —                | 1                                | —                 |
|              | 15 ...           | 1                                | 6                 | —                | 3                                | 1                 | —                | 1                                | —                 | —                | —                                | —                 | —                      | 1                | 10                               | 1                 |
|              | 22 ...           | 10                               | 12                | 4                | 11                               | 2                 | 1                | 11                               | 3                 | —                | 2                                | 1                 | 12                     | 15               | 36                               | 6                 |
|              | Mch. 1 ...       | 21                               | 20                | 12               | 24                               | 12                | 7                | 18                               | 5                 | 2                | 2                                | 4                 | 18                     | 42               | 64                               | 26                |
|              | 8 ...            | 8                                | 20                | 5                | 14                               | 10                | 2                | 9                                | 4                 | 2                | 4                                | 6                 | 3                      | 17               | 47                               | 24                |
|              | 15 ...           | 5                                | 7                 | 3                | 7                                | 4                 | 3                | 4                                | 1                 | —                | 3                                | 1                 | 1                      | 11               | 21                               | 7                 |
|              | 22 ...           | 1                                | 3                 | 1                | 2                                | —                 | —                | 2                                | —                 | —                | 2                                | 1                 | —                      | 2                | 9                                | 1                 |
|              | 29 ...           | —                                | 1                 | —                | —                                | 1                 | —                | —                                | —                 | 1                | 1                                | 2                 | —                      | 1                | 2                                | 3                 |
| Apl.         | 5 ...            | —                                | —                 | —                | 1                                | —                 | —                | —                                | —                 | —                | 1                                | 1                 | —                      | —                | 2                                | 1                 |
|              | 12 ...           | —                                | 1                 | —                | 2                                | —                 | —                | —                                | —                 | —                | —                                | —                 | —                      | —                | 3                                | —                 |
| Total ...    | 46               | 70                               | 10                | 25               | 65                               | 30                | 13               | 46                               | 13                | 5                | 15                               | 16                | 34                     | 89               | 196                              | 69                |



TABLE V.—INFLUENZA, 1918-19.—PERCENTAGE of AREAS of various CLASSES attaining their MAXIMUM MORTALITY during each WEEK in different PORTIONS of ENGLAND and WALES.

| Week ending  |   |             |     | North.           |                                  |                   | Midlands.        |                                  |                   | South.           |                                  |                   | Wales.           |                                  |                   | England and Wales.     |                  |                                  |                   |
|--------------|---|-------------|-----|------------------|----------------------------------|-------------------|------------------|----------------------------------|-------------------|------------------|----------------------------------|-------------------|------------------|----------------------------------|-------------------|------------------------|------------------|----------------------------------|-------------------|
|              |   |             |     | County Boroughs. | Adm. Cos.                        |                   | County Boroughs. | Adm. Cos.                        |                   | County Boroughs. | Adm. Cos.                        |                   | County Boroughs. | Adm. Cos.                        |                   | Metropolitan Boroughs. | County Boroughs. | Adm. Cos.                        |                   |
|              |   |             |     |                  | Towns of over 20,000 population. | Rest of Counties. |                  | Towns of over 20,000 population. | Rest of Counties. |                  | Towns of over 20,000 population. | Rest of Counties. |                  | Towns of over 20,000 population. | Rest of Counties. |                        |                  | Towns of over 20,000 population. | Rest of Counties. |
| First Wave.  | { | June 29 ... | —   | —                | —                                | —                 | 2                | —                                | —                 | 4                | —                                | —                 | —                | —                                | 3                 | —                      | 1                | —                                |                   |
|              |   | July 6 ...  | 23  | 25               | —                                | 10                | 26               | 11                               | 33                | 27               | 7                                | —                 | 6                | 8                                | 42                | 19                     | 23               | 8                                |                   |
|              | { | 13 ...      | 52  | 40               | 45                               | 49                | 35               | 14                               | 11                | 22               | 44                               | 50                | 28               | 8                                | 45                | 47                     | 34               | 24                               |                   |
|              |   | 20 ...      | 20  | 25               | 55                               | 24                | 28               | 54                               | 11                | 27               | 21                               | —                 | 38               | 45                               | 10                | 20                     | 28               | 44                               |                   |
|              |   | 27 ...      | 5   | 8                | —                                | 10                | 7                | 7                                | 11                | 8                | 14                               | 50                | 11               | 23                               | —                 | 9                      | 8                | 11                               |                   |
|              |   | Aug. 3 ...  | —   | 2                | —                                | 7                 | 2                | 7                                | —                 | 8                | —                                | —                 | 11               | —                                | —                 | 2                      | 4                | 3                                |                   |
|              |   | 10 ...      | —   | —                | —                                | —                 | —                | 7                                | 33                | —                | —                                | —                 | 6                | 8                                | —                 | 3                      | 1                | 5                                |                   |
|              |   | 17 ...      | —   | —                | —                                | —                 | —                | —                                | —                 | 4                | 14                               | —                 | —                | 8                                | 8                 | —                      | 1                | 5                                |                   |
|              |   |             | 100 | 100              | 100                              | 100               | 100              | 100                              | 100               | 100              | 100                              | 100               | 100              | 100                              | 100               | 100                    | 100              |                                  |                   |
| Second Wave. | { | Oct. 12 ... | —   | —                | —                                | —                 | —                | —                                | —                 | —                | —                                | 6                 | —                | —                                | —                 | 1                      | —                |                                  |                   |
|              |   | 19 ...      | 2   | 3                | —                                | 4                 | 2                | —                                | 17                | 5                | —                                | —                 | —                | —                                | —                 | 5                      | 3                | —                                |                   |
|              | { | 26 ...      | 7   | 10               | —                                | 8                 | 7                | 4                                | 17                | 3                | 8                                | 50                | 13               | 8                                | 3                 | 11                     | 7                | 5                                |                   |
|              |   | Nov. 2 ...  | 14  | 8                | —                                | 31                | 25               | 15                               | 41                | 50               | 8                                | —                 | 25               | 15                               | 53                | 23                     | 24               | 11                               |                   |
|              |   | 9 ...       | 17  | 18               | 22                               | 4                 | 23               | 25                               | 17                | 26               | 67                               | 25                | 13               | 8                                | 41                | 13                     | 21               | 29                               |                   |
|              |   | 16 ...      | 12  | 10               | —                                | 12                | 15               | 15                               | —                 | 3                | 17                               | —                 | —                | 31                               | —                 | 10                     | 9                | 16                               |                   |
|              |   | 23 ...      | 17  | 21               | 11                               | 4                 | 13               | 11                               | —                 | 5                | —                                | —                 | 13               | 15                               | 3                 | 10                     | 14               | 10                               |                   |
|              |   | 30 ...      | 26  | 20               | 67                               | 37                | 15               | 22                               | 8                 | 8                | —                                | 25                | 30               | 23                               | —                 | 26                     | 17               | 25                               |                   |
|              | { | Dec. 7 ...  | 5   | 8                | —                                | —                 | —                | 4                                | —                 | —                | —                                | —                 | —                | —                                | —                 | 2                      | 3                | 2                                |                   |
|              |   | 14 ...      | —   | 2                | —                                | —                 | —                | 4                                | —                 | —                | —                                | —                 | —                | —                                | —                 | —                      | 1                | 2                                |                   |
|              |   |             | 100 | 100              | 100                              | 100               | 100              | 100                              | 100               | 100              | 100                              | 100               | 100              | 100                              | 100               | 100                    | 100              |                                  |                   |
| Third Wave.  | { | Feb. 1 ...  | —   | —                | —                                | —                 | 2                | —                                | —                 | —                | —                                | —                 | —                | —                                | —                 | 1                      | —                |                                  |                   |
|              |   | 8 ...       | —   | —                | —                                | —                 | —                | —                                | —                 | 2                | —                                | —                 | —                | —                                | —                 | —                      | 1                | —                                |                   |
|              | { | 15 ...      | 2   | 9                | —                                | —                 | 5                | 3                                | —                 | 2                | —                                | —                 | —                | —                                | —                 | 1                      | 5                | 1                                |                   |
|              |   | 22 ...      | 22  | 17               | —                                | 16                | 17               | 7                                | 8                 | 24               | 23                               | —                 | 13               | 6                                | 35                | 17                     | 18               | 9                                |                   |
|              |   | Mch. 1 ...  | 46  | 29               | 50                               | 48                | 36               | 41                               | 54                | 39               | 38                               | 40                | 13               | 25                               | 53                | 48                     | 32               | 39                               |                   |
|              |   | 8 ...       | 17  | 29               | 40                               | 20                | 21               | 33                               | 15                | 20               | 31                               | 40                | 27               | 38                               | 9                 | 19                     | 23               | 35                               |                   |
|              |   | 15 ...      | 11  | 10               | 10                               | 12                | 11               | 13                               | 23                | 9                | 8                                | —                 | 20               | 6                                | 3                 | 12                     | 11               | 10                               |                   |
|              |   | 22 ...      | 2   | 4                | —                                | 4                 | 3                | —                                | —                 | 4                | —                                | —                 | 13               | 6                                | —                 | 2                      | 5                | 1                                |                   |
|              | { | 29 ...      | —   | 1                | —                                | —                 | —                | 3                                | —                 | —                | —                                | 20                | 7                | 13                               | —                 | 1                      | 1                | 4                                |                   |
|              |   | Apl. 5 ...  | —   | —                | —                                | —                 | 2                | —                                | —                 | —                | —                                | —                 | 7                | 6                                | —                 | —                      | 1                | 1                                |                   |
|              |   |             | —   | 1                | —                                | —                 | 3                | —                                | —                 | —                | —                                | —                 | —                | —                                | —                 | 2                      | —                |                                  |                   |
|              |   |             | 100 | 100              | 100                              | 100               | 100              | 100                              | 100               | 100              | 100                              | 100               | 100              | 100                              | 100               | 100                    | 100              |                                  |                   |

The first wave may be said to have spent itself by the end of July, as after the week ending August 3rd the mortality for England and Wales did not exceed 0·5 until that ending October 5th. A few areas reached their maxima only during the fortnight August 4th-17th; amongst which were included the county boroughs of Eastbourne (3·1), Portsmouth (2·1), and Bath (1·7), but in all these cases the deaths were so few as to render the definition of the course of the epidemic doubtful. After the week ending August 17th, when only three county areas, Dorset, Somerset, and Cardigan, and the town of Winchester, appear in the list of maxima attained, no mortality of significance was attained in any of the 333 areas until the week ending September 21st, when 11 deaths occurred in Tottenham, yielding a rate of 4·1. For the four weeks August 25th to September 21st the rate for England and Wales remained at 0·2 per 1,000, but even that low figure is about four times as high as has usually been recorded at this season in recent years. Throughout the whole of September deaths were being reported from Tottenham to an extent marking it out from other areas, and the same statement applies to the rural portions of Shropshire, but there is this difference between the two cases, that in Tottenham there was a clear interval of three weeks without deaths during August, but in Shropshire no such interval occurred, deaths taking place throughout August and September at much the same rate as in July.

After remaining at a low level for several weeks, the number of deaths began to increase during the week ending September 21st. That ending September 28th definitely marks the commencement of the second wave, the death-rate for England and Wales rising to 0·3, and the number of separate areas yielding rates worth noting being much increased. Liverpool, for instance, returned a higher total of deaths, 16, than in any week since July, and followed this figure by 34 and 127 in the two following weeks. The highest death-rate for the week, 9·1, was returned by Margate as the result of 3 deaths.

In the week ending October 5th, the rate for England and Wales rose to 0·7, and it was quite evident from the number of areas returning considerable mortalities that a new wave had commenced.



TABLE VI.—INFLUENZA EPIDEMIC: FIRST WAVE.

AREAS reaching their HIGHEST MORTALITY in each WEEK in the NORTH (N), MIDLANDS (M), and SOUTH (S) OF ENGLAND, and in WALES (W).

ANNUAL MORTALITY PER 1,000 LIVING.

|           |                            | Week ending:—      |                              |                    |                                   |
|-----------|----------------------------|--------------------|------------------------------|--------------------|-----------------------------------|
|           |                            | June 29.           |                              |                    |                                   |
|           |                            | Towns over 20,000. |                              |                    |                                   |
|           | <i>London.</i>             |                    |                              |                    |                                   |
|           | Hampstead ... .. 2·9       | M                  | Heston & Isleworth.. 4·1     | S                  | Weymouth ... .. 4·7               |
|           | <i>County Boroughs.</i>    |                    | <i>July 6.</i>               |                    |                                   |
|           |                            |                    | <i>Towns over 20,000.</i>    |                    |                                   |
| N<br>(10) | Burnley ... .. 18·4        | N<br>(15)          | Bacup... .. 33·3             | S<br>(7)           | Aldershot ... .. 7·3              |
|           | Huddersfield ... 17·8      |                    | Brighouse ... .. 27·0        |                    | Gillingham ... .. 4·8             |
|           | Middlesbrough ... 14·4     |                    | Rawtenstall ... .. 18·6      |                    | Wimbledon ... .. 4·1              |
|           | Preston ... .. 14·3        |                    | Bedlingtonshire ... 18·1     |                    | Reigate ... .. 3·9                |
|           | Sunderland ... .. 13·0     |                    | Hartlepool ... .. 17·1 (2)   |                    | Barnes ... .. 3·3 (2)             |
|           | Salford ... .. 12·7        |                    | Blyth ... .. 16·8            |                    | Kingston on Thames 2·9            |
|           | Bury ... .. 11·2           |                    | Swinton & Pendlebury 13·3    |                    | Chatham ... .. 2·8 (2)            |
|           | Barnsley ... .. 8·8 (2)    |                    | Stretford ... .. 12·8 (2)    | W                  | Rhondda ... .. 16·6               |
|           | Leeds ... .. 6·6           |                    | Middleton ... .. 12·3 (2)    |                    |                                   |
|           | Blackpool ... .. 4·0 (2)   |                    | Nelson ... .. 12·2           |                    |                                   |
| M<br>(3)  | Smethwick ... .. 9·2       |                    | Accrington ... .. 9·2        |                    | <i>Adm. Counties (remainder).</i> |
|           | Birmingham ... .. 6·9 (2)  |                    | Morley ... .. 7·0            |                    | Middlesex ... .. 1·9              |
|           | East Ham ... .. 4·9        |                    | Jarrow ... .. 6·1            |                    | Bedford ... .. 1·6                |
| S<br>(3)  | Reading ... .. 3·8         |                    | Eccles ... .. 5·3            |                    | Isle of Ely ... .. 1·6            |
|           | Croydon ... .. 3·4 (2)     |                    | Castleford ... .. 4·5        |                    | Sussex, East ... .. 1·5           |
|           | Southampton ... 2·3        |                    |                              |                    | Anglesey ... .. 2·2 (2)           |
|           | <i>London.</i>             |                    | Wolstanton ... .. 11·7       | W                  |                                   |
| (13)      | Finsbury ... .. 7·8        | M<br>(14)          | Rowley Regis ... 11·6        |                    |                                   |
|           | Southwark ... .. 6·8       |                    | Tipton ... .. 10·0           |                    |                                   |
|           | Bermondsey ... .. 4·8      |                    | Mansfield ... .. 9·4         |                    |                                   |
|           | Stoke Newington ... 4·7    |                    | Oldbury ... .. 4·5 (3)       |                    |                                   |
|           | Camberwell ... .. 4·5      |                    | Hendon ... .. 4·2            |                    |                                   |
|           | St. Marylebone ... 4·2 (2) |                    | Chiswick ... .. 3·9          |                    |                                   |
|           | Woolwich ... .. 3·9        |                    | Southall Norwood ... 3·5 (3) |                    |                                   |
|           | Chelsea ... .. 3·7         |                    | Watford ... .. 3·5           |                    |                                   |
|           | Poplar ... .. 3·7          |                    | Leyton ... .. 3·4            |                    |                                   |
|           | Hammersmith ... .. 3·6     |                    | Twickenham ... .. 3·0        |                    |                                   |
|           | Westminster ... .. 3·3 (2) |                    | Enfield ... .. 2·9           |                    |                                   |
|           | Wandsworth ... .. 2·5      |                    | Ilford ... .. 2·9            |                    |                                   |
|           | Lewisham ... .. 2·1        |                    | Southgate ... .. 2·9 (2)     |                    |                                   |
|           | <i>County Boroughs.</i>    |                    | <i>July 13.</i>              |                    |                                   |
|           |                            |                    | <i>London 3·7</i>            |                    |                                   |
| N<br>(23) | Rochdale ... .. 22·3       | (14)               | Bethnal Green ... 7·6        | M<br>(19)<br>cont. | Cleethorpe with                   |
|           | Oldham ... .. 16·0         |                    | Greenwich ... .. 7·0         |                    | Thruscoke 6·6 (2)                 |
|           | Darlington ... .. 15·6     |                    | City of London ... 6·6       |                    | Hereford ... .. 6·5 (2)           |
|           | Wakefield ... .. 12·7      |                    | Shoreditch ... .. 6·5        |                    | Ilkeston ... .. 5·4 (2)           |
|           | West Hartlepool ... 11·9   |                    | Fulham ... .. 6·2            |                    | Worksop ... .. 5·1 (2)            |
|           | Carlisle ... .. 11·7       |                    | St. Pancras ... .. 5·6       |                    | Sutton Coldfield ... 5·0 (2)      |
|           | Blackburn ... .. 9·8       |                    | Stepney ... .. 5·6           |                    | Acton ... .. 4·6                  |
|           | Bolton ... .. 9·4          |                    | Holborn ... .. 4·3           |                    | Oldbury ... .. 4·5 (3)            |
|           | Gateshead ... .. 9·3       |                    | St. Marylebone ... 4·2 (2)   |                    | Willesden ... .. 4·5              |
|           | Dewsbury ... .. 8·9 (2)    |                    | Hackney ... .. 4·0           |                    | Peterborough ... .. 4·4           |
|           | Barnsley ... .. 8·8 (2)    |                    | Deptford ... .. 3·6          |                    | Edmonton ... .. 3·3               |
|           | Manchester ... .. 8·8      |                    | Islington ... .. 3·5         |                    | Ealing ... .. 3·2                 |
|           | Newcastle-on-Tyne ... 8·8  |                    | Westminster ... .. 3·3 (2)   |                    | Southgate ... .. 2·9 (2)          |
|           | Chester ... .. 8·1         |                    | Paddington ... .. 3·1        |                    | Colchester ... .. 2·8             |
|           | Sheffield ... .. 7·6       |                    |                              |                    | Walthamstow ... .. 2·7            |
|           | Bootle ... .. 6·7          |                    |                              |                    | Hornsey ... .. 2·6                |
|           | Bradford ... .. 6·4        |                    | <i>Towns over 20,000.</i>    |                    |                                   |
|           | Hull ... .. 6·0            |                    | Eston ... .. 36·9            | S<br>(6)           | Ramsgate ... .. 5·3               |
|           | Rotherham ... .. 5·7       |                    | Heywood ... .. 33·3          |                    | Maidstone ... .. 3·4              |
|           | Tynemouth ... .. 5·6       |                    | Batley ... .. 19·3           |                    | Torquay ... .. 3·4 (2)            |
|           | Southport ... .. 4·1       |                    | Hartlepool ... .. 17·1 (2)   |                    | Richmond ... .. 3·1               |
|           | Wallasey ... .. 3·2        |                    | Ashington ... .. 16·7        |                    | Chatham ... .. 2·8 (2)            |
|           | Liverpool ... .. 3·0       |                    | Hindley ... .. 16·6          |                    | Hove ... .. 2·6                   |
|           |                            |                    | Ashton-under-Lyne ... 15·8   | W<br>(5)           | Abertillery ... .. 15·9           |
|           |                            |                    | Ashton-in-Makerfield 15·3    |                    | Bedwelty ... .. 11·2 (2)          |
|           |                            |                    | Todmorden ... .. 14·9        |                    | Ebbw Vale ... .. 10·2             |
|           |                            |                    | Hebburn ... .. 14·4          |                    | Pontypridd ... .. 10·2            |
|           |                            |                    | Stretford ... .. 12·8 (2)    |                    | Caerphilly ... .. 9·0             |
|           |                            |                    | Middleton ... .. 12·3 (2)    |                    |                                   |
|           |                            |                    | Wallsend ... .. 12·0         |                    | <i>Adm. Counties (remainder).</i> |
|           |                            |                    | Chadderton ... .. 10·4       |                    | Durham ... .. 11·9                |
|           |                            |                    | Blaydon ... .. 10·3          |                    | Lancashire ... .. 5·9             |
|           |                            |                    | Stalybridge ... .. 8·8 (2)   |                    | Yorks. (West Riding) 4·7 (2)      |
| M<br>(14) | Derby ... .. 5·3           | N<br>(24)          | Hyde ... .. 8·6 (2)          | N<br>(5)           | Yorks. (North Riding) 4·1 (2)     |
|           | Yarmouth ... .. 4·6 (2)    |                    | Stockton-on-Tees ... 7·3 (2) |                    | Cheshire ... .. 3·9               |
|           | Coventry ... .. 3·9        |                    | Scarborough ... .. 7·2       |                    |                                   |
|           | Oxford ... .. 3·2 (2)      |                    | Spenborough ... .. 7·1       |                    | Warwickshire ... .. 1·9 (2)       |
|           | Southend-on-Sea ... 2·9    |                    | Goole ... .. 6·3 (2)         |                    | Hertfordshire ... .. 1·4 (3)      |
|           | Lincoln ... .. 2·6 (2)     |                    | Crews ... .. 6·1             |                    | Northamptonshire ... 1·3 (2)      |
|           |                            |                    | Keighley ... .. 4·1 (2)      |                    | Gloucestershire ... .. 1·2        |
|           |                            |                    | Shipley ... .. 4·0 (3)       |                    |                                   |
|           |                            |                    |                              |                    | Cornwall ... .. 1·7               |
|           |                            |                    |                              |                    | Surrey ... .. 1·7                 |
| S<br>(2)  | Croydon ... .. 3·4 (2)     | M<br>(19)          | Coseley ... .. 14·6          | S<br>(6)           | Kent ... .. 1·2                   |
|           |                            |                    | Wednesbury ... .. 12·8       |                    | Sussex, West ... .. 1·2           |
|           |                            |                    | Chesterfield ... .. 8·7      |                    | Hampshire ... .. 0·8              |
|           |                            |                    | Rugby ... .. 6·9             |                    | Somersetshire ... .. 0·7 (2)      |
|           |                            |                    |                              |                    | Brecknockshire ... .. 4·9         |
| W<br>(2)  | Merthyr Tydfil ... 8·7     | M<br>(19)          |                              | W                  |                                   |
|           | Swansea ... .. 4·3         |                    |                              |                    |                                   |



TABLE VI.—INFLUENZA EPIDEMIC : FIRST WAVE—*continued.*

AREAS reaching their HIGHEST MORTALITY in each WEEK in the NORTH (N), MIDLANDS (M), and SOUTH (S) OF ENGLAND, and in WALES (W).

ANNUAL MORTALITY PER 1,000 LIVING.

|           |                        |        | Week ending :—<br>July 20. |                                     |                   |                   |                             |        |
|-----------|------------------------|--------|----------------------------|-------------------------------------|-------------------|-------------------|-----------------------------|--------|
| N<br>(9)  | County Boroughs.       |        | M<br>(15)                  |                                     |                   | M<br>(15)         |                             |        |
|           | Warrington ...         | 13·7   |                            | Stafford ...                        | 19·4              |                   | Staffordshire ...           | 6·2    |
|           | Wigan ...              | 11·0   |                            | Newcastle-under-Lyme ...            | 17·4              |                   | Derbyshire ...              | 5·4    |
|           | Dewsbury ...           | 8·9(2) |                            | Cannock ...                         | 14·5              |                   | Nottinghamshire ...         | 5·4    |
|           | Stockport ...          | 8·1    |                            | Bilston ...                         | 13·5              |                   | Worcestershire ...          | 4·9    |
|           | South Shields ...      | 7·9    |                            | Sutton-in-Ashfield ...              | 9·6               |                   | Leicestershire ...          | 3·0    |
|           | Halifax ...            | 6·7    |                            | Glossop ...                         | 8·5               |                   | Lincs.(pts.of Holland) ...  | 2·7    |
|           | Barrow-in-Furness ...  | 5·2    |                            | Shrewsbury ...                      | 7·5               |                   | Buckinghamshire ...         | 1·9    |
|           | Blackpool ...          | 4·0(2) |                            | Cleethorpe-with-<br>Thrusnescoe ... | 6·6(2)            |                   | Warwickshire ...            | 1·9(2) |
|           | York ...               | 3·6    |                            | Hereford ...                        | 6·5(2)            |                   | Lincs.(pts.of Ke teven) ... | 1·8    |
| M<br>(7)  | Leicester ...          | 7·7    | Ilkeston ...               | 5·4(2)                              | Shropshire ...    | 1·7(2)            |                             |        |
|           | Wolverhampton ...      | 6·2    | Tottenham ...              | 5·2                                 | Suffolk, West ... | 1·6               |                             |        |
|           | Worcester ...          | 4·7    | Sutton Coldfield ...       | 5·0(2)                              | Hertfordshire ... | 1·4(3)            |                             |        |
|           | Yarmouth ...           | 4·6(2) | Oldbury ...                | 4·5(3)                              | Herefordshire ... | 1·3(2)            |                             |        |
|           | Bristol ...            | 3·2    | Southall Norwood ...       | 3·5(3)                              | Oxfordshire ...   | 1·3               |                             |        |
|           | Lincoln ...            | 2·6(2) | Wood Green ...             | 2·2                                 | Norfolk ...       | 0·8               |                             |        |
|           | Norwich ...            | 1·0(2) |                            |                                     |                   |                   |                             |        |
| S         | Plymouth ...           | 3·8    |                            |                                     | S<br>(3)          | Berkshire ...     | 1·5                         |        |
| (3)       | London.                |        | S<br>(7)                   | Mitcham ...                         | 6·8               | W<br>(6)          | Devonshire ...              | 1·1    |
|           | Battersea ...          | 3·8    |                            | Penge ...                           | 4·6               |                   | Wiltshire ...               | 0·8(2) |
|           | Lambeth ...            | 3·2    |                            | Dover ...                           | 4·5               |                   |                             |        |
|           | Kensington ...         | 2·0    |                            | Gravesend ...                       | 3·8               |                   | Glamorganshire ...          | 5·6    |
|           |                        |        |                            | Gosport & Alverstoke ...            | 3·7               |                   | Monmouthshire ...           | 4·2    |
| N<br>(15) | Towns over 20,000.     |        | W<br>(7)                   | Erith ...                           | 3·2               |                   | Pembrokeshire ...           | 3·2(2) |
|           | Ince-in-Makerfield ... | 22·8   |                            | Swindon ...                         | 2·1(2)            |                   | Carmarthenshire ...         | 2·5    |
|           | Stanley ...            | 21·5   |                            | Bedwellty ...                       | 11·2(2)           |                   | Carnarvonshire ...          | 2·5    |
|           | Widnes ...             | 13·2   |                            | Mountain Ash ...                    | 10·3              |                   | Denbighshire... ..          | 1·9    |
|           | Leigh (Lancs.) ...     | 12·6   |                            | Gelligaer ...                       | 8·4               |                   |                             |        |
|           | Radcliffe ...          | 11·9   |                            | Llanelly ...                        | 6·2               |                   |                             |        |
|           | Chorley ...            | 10·2   |                            | Ogmore & Garw ...                   | 5·6(3)            |                   |                             |        |
|           | Stalybridge ...        | 8·8(2) |                            | Maesteg ...                         | 3·9               |                   |                             |        |
|           | Hyde ...               | 8·6(2) |                            | Barry ...                           | 3·1               |                   |                             |        |
|           | Stockton-on-Tees ...   | 7·3(2) |                            | Adm. Counties (remainder).          |                   |                   |                             |        |
|           | Farnworth ...          | 6·5    |                            | Cumberland ...                      | 5·7               |                   |                             |        |
|           | Felling ...            | 6·4    |                            | Yorks. (West Riding) ...            | 4·7(2)            |                   |                             |        |
|           | Goole ...              | 6·3(2) |                            | Northumberland ...                  | 4·4               |                   |                             |        |
|           | Doncaster ...          | 5·5    |                            | Yorks. (North Riding) ...           | 4·1(2)            |                   |                             |        |
|           | Shipley ...            | 4·0(3) |                            | Westmorland ...                     | 3·8               |                   |                             |        |
|           | Harrogate ...          | 3·1    | Yorks. (East Riding) ...   | 2·9                                 |                   |                   |                             |        |
| N<br>(2)  | County Boroughs.       |        | N<br>(5)                   | July 27.                            |                   | W<br>(2)          | Towns over 20,000.          |        |
|           | St. Helens ...         | 5·2    |                            | Darwen ...                          | 14·3              |                   | Ogmore & Garw ...           | 5·6(3) |
|           | Birkenhead ...         | 3·5    |                            | Colne ...                           | 12·2              |                   | Tredegar ...                | 4·6    |
|           |                        |        |                            | Workington ...                      | 10·5              |                   | Adm. Counties (remainder).  |        |
|           |                        |        |                            | Macclesfield ...                    | 8·8               |                   | Essex ...                   | 1·5    |
| M<br>(3)  | Oxford ...             | 3·2(2) | Keighley ...               | 4·1(2)                              | M<br>(2)          | Hertfordshire ... | 1·4(3)                      |        |
|           | Ipswich ...            | 2·9    |                            |                                     |                   |                   |                             |        |
|           | Norwich ...            | 1·0(2) |                            |                                     |                   |                   |                             |        |
| S         | Brighton ...           | 2·1    | M<br>(4)                   | Gainsborough ...                    | 13·4              | S<br>(2)          | Wight, Isle of ...          | 2·0    |
| W<br>(2)  | Newport ...            | 4·5    |                            | Worksop ...                         | 5·1(2)            |                   | Wiltshire ...               | 0·8(2) |
|           | Cardiff ...            | 2·4    |                            | Nuneaton ...                        | 4·3               |                   |                             |        |
|           |                        |        |                            | Southall Norwood ...                | 3·5(3)            |                   |                             |        |
|           |                        |        | S<br>(2)                   | Barnes ...                          | 3·3(2)            | W<br>(3)          | Flintshire ...              | 5·1    |
|           |                        |        |                            | Swindon ...                         | 2·1(2)            |                   | Merionethshire ...          | 4·2    |
|           |                        |        |                            |                                     |                   |                   | Pembrokeshire ...           | 3·2(2) |
| M<br>(2)  | County Boroughs.       |        | M<br>(2)                   | August 3.                           |                   | W<br>(2)          |                             |        |
|           | Gloucester ...         | 5·5    |                            | Cheltenham ...                      | 2·4               |                   | Aberdare ...                | 9·4    |
|           | Northampton ...        | 1·9    |                            | Taunton ...                         | 5·3(2)            |                   | Ogmore & Garw ...           | 5·6(3) |
| N         | Towns over 20,000.     |        |                            | Torquay ...                         | 3·4(2)            | M<br>(2)          | Adm. Counties (remainder).  |        |
|           | Shipley ...            | 4·0(3) |                            |                                     |                   |                   | Lincs.(pts.of Lindsey) ...  | 2·3    |
|           |                        |        |                            |                                     |                   |                   | Suffolk, East... ..         | 0·7(2) |
| S<br>(3)  | County Boroughs.       |        | W<br>(2)                   | August 10.                          |                   | W                 | Towns over 20,000.          |        |
|           | Eastbourne ...         | 3·1    |                            | Abersychan ...                      | 4·2(2)            |                   | Anglesey ...                | 2·2(2) |
|           | Portsmouth ...         | 2·1    |                            | Adm. Counties (remainder).          |                   |                   |                             |        |
|           | Bath ...               | 1·7    | M<br>(2)                   | Northamptonshire ...                | 1·3(2)            |                   |                             |        |
|           |                        |        |                            | Suffolk, East... ..                 | 0·7(2)            |                   |                             |        |
| S         | Towns over 20,000.     |        | S<br>(2)                   | August 17.                          |                   | W                 |                             |        |
|           | Winchester ...         | 4·6    |                            | Adm. Counties (remainder).          |                   |                   | Cardiganshire ...           | 2·0    |
|           |                        |        |                            | Dorsetshire ...                     | 1·5               |                   |                             |        |
|           |                        |        |                            | Somersetshire ...                   | 0·7(2)            |                   |                             |        |



Portsmouth, with 43 deaths, returned a rate of 11·0, and Exeter, with 8, of 8·3. Of the ten towns other than county boroughs recording the highest rates, no less than four, Wood Green (8·7), Tottenham (7·1), Edmonton (4·9), and Hornsey (4·6), adjoining northern suburbs of London, were in Middlesex. Shropshire (3·6) heads the list of counties for this week.

In the week ending October 12th, the second wave was well on its way. The death-rate for England and Wales was 2·1, that for the South being 2·9 as against 1·8, 1·6, and 1·9 in the North, Midlands, and Wales respectively. It was the county boroughs of the South alone which raised its mortality above that of the rest of the country, for the London rate was only 1·5, that of the smaller southern towns 1·3, and of the remainder of southern counties 2·0, Diagrams XII–XIV. But the rate for the southern county boroughs rose from 3·8 in the previous week to 11·2, Portsmouth (28·7), Southampton (27·7), and Exeter (27·0) being the chief contributors. All of these rates were higher than those of any of the smaller towns, a most unusual circumstance, as the more numerous and smaller populations normally provide the extremes. We have thus a further instance of the earlier incidence of mortality upon the more populous areas. Apart from these three boroughs the highest

TABLE VII.—INFLUENZA EPIDEMIC: SECOND WAVE.

AREAS reaching their HIGHEST MORTALITY in each WEEK in the NORTH (N), MIDLANDS (M), and SOUTH (S) of ENGLAND, and in WALES (W).

| ANNUAL MORTALITY PER 1,000 LIVING. |   |                 |  |                        |   |
|------------------------------------|---|-----------------|--|------------------------|---|
| W                                  | Towns over 20,000.<br>Bedwellty ... .. 18·6   |                 | Week ending:—<br>October 12.   |                        |   |
| N                                  | County Boroughs.<br>Liverpool ... .. 16·7   |                 | October 19.<br>Portsmouth ... .. 46·1<br>Southampton ... .. 41·4   | M                      | Cheltenham ... .. 58·8  |
| M                                  | Gloucester ... .. 32·0  | S {<br>(2) {    | Towns over 20,000.<br>Castleford ... .. 36·4<br>Chorley ... .. 34·0  | S {<br>(2) {           | Reigate ... .. 25·6<br>Gosport & Alverstoke 24·3  |
|                                    |   | N {<br>(2) {    |  |                        |   |
|                                    | County Boroughs.<br>Birkenhead ... .. 36·7<br>Wigan ... .. 22·1<br>Wallasey ... .. 21·2   |                 | October 26.<br>London.<br>Stoke Newington ... 34·2   | S                      | Aldershot ... .. 26·8   |
| N {<br>(3) {                       |   |                 | Towns over 20,000.<br>Leigh ... .. 32·8<br>Hindley ... .. 28·4   | W {<br>(2) {           | Gelligaer ... .. 22·5<br>Abersychan ... .. 19·1   |
| M {<br>(2) {                       | Oxford ... .. 63·2<br>Southend-on-Sea ... 25·8  | N {<br>(6) {    | Waterloo-with-<br>Seaforth 26·9<br>Morley ... .. 23·5<br>Ince-in-Makerfield ... 15·2<br>Farnworth ... .. 13·1 (2)  | M                      | Adm. Counties (remainder).<br>Gloucestershire ... 22·9  |
| S {<br>(2) {                       | Exeter ... .. 30·1<br>Bath ... .. 26·4  |                 |  | S                      | Hampshire ... .. 22·3   |
| W {<br>(2) {                       | Cardiff ... .. 38·3<br>Newport ... .. 11·5  | M {<br>(4) {    | Walthamstow ... 43·9<br>Edmonton ... .. 33·5<br>Hornsey ... .. 32·3<br>Tottenham ... .. 27·5   | W                      | Monmouthshire ... 15·2  |
|                                    | County Boroughs.<br>Sheffield ... .. 53·5<br>Hull ... .. 50·1<br>Bootle ... .. 40·7<br>York ... .. 32·1<br>Middlesbrough ... 32·0<br>Bolton ... .. 21·4   | (15) {<br>cont. | November 2.<br>Wandsworth ... .. 34·1<br>Paddington ... .. 33·7<br>St. Marylebone ... 25·4<br>City of London ... 23·0<br>Kensington ... .. 21·6  |                        | Worthing ... .. 41·7<br>Swindon ... .. 41·4<br>Poole ... .. 36·0<br>Richmond ... .. 34·2<br>Barnes ... .. 33·1<br>Gillingham ... .. 30·2<br>Kingston ... .. 30·1<br>Gravesend ... .. 28·5<br>Dover ... .. 27·1<br>Beckenham ... .. 26·6<br>Bromley ... .. 26·4<br>Erith ... .. 23·9 (2)<br>Hove ... .. 23·0<br>Woking ... .. 15·4 |
|                                    | Burton-on-Trent ... 75·5<br>Leicester ... .. 66·2<br>East Ham ... .. 53·7<br>West Ham ... .. 48·4<br>Stoke-on-Trent ... 39·5<br>Northampton ... 36·0<br>Bristol ... .. 33·6<br>Yarmouth ... .. 32·3   | N {<br>(5) {    | Towns over 20,000.<br>Keighley ... .. 50·8<br>Crewe ... .. 46·4<br>Chadderton ... .. 39·5 (3)<br>Lancaster ... .. 28·9<br>Radcliffe ... .. 7·2 (2)   | S {<br>(19) {<br>cont. | Llanelly ... .. 34·3<br>Mountain Ash ... 32·3<br>Barry ... .. 21·6<br>Caerphilly ... .. 18·0  |
|                                    | Plymouth ... .. 36·6<br>Croydon ... .. 36·5<br>Brighton ... .. 34·7<br>Eastbourne ... .. 18·9<br>Bournemouth ... 17·5   |                 | Barking Town ... 99·0<br>Loughborough ... 59·1<br>Rugby ... .. 57·5<br>Ilford ... .. 42·9<br>Leyton ... .. 41·0<br>Twickenham ... .. 41·0<br>Watford ... .. 40·5<br>Willesden ... .. 40·2<br>Cambridge ... .. 40·0<br>Enfield ... .. 38·3<br>Luton ... .. 32·6<br>Hendon ... .. 32·5<br>Wood Green ... .. 30·5<br>Bedford ... .. 29·2<br>Southgate ... .. 26·5 | W {<br>(4) {           | Adm. Counties (remainder).<br>Leicestershire ... 35·0<br>Buckinghamshire ... 28·0<br>Essex ... .. 27·9<br>Hertfordshire ... 22·9  |
|                                    | London 35·0.<br>Battersea ... .. 52·9<br>Hackney ... .. 50·6<br>Greenwich ... .. 47·0<br>Woolwich ... .. 46·1<br>Deptford ... .. 42·4<br>St. Pancras ... .. 42·1<br>Lewisham ... .. 40·2<br>Shoreditch ... .. 36·9<br>Camberwell ... .. 36·6<br>Islington ... .. 36·4 | M {<br>(15) {   |  | M {<br>(4) {           | Devonshire ... .. 25·4  |
| (15) {                             |   |                 | Dartford ... .. 92·6<br>Chatham ... .. 80·3<br>Royal Tunbridge Wells 51·7<br>Rochester ... .. 51·6<br>Mitcham ... .. 51·0  | W {<br>(2) {           | Carnarvonshire ... 50·9<br>Montgomeryshire ... 24·7   |



TABLE VII.—INFLUENZA EPIDEMIC : SECOND WAVE—*continued*.

AREAS reaching their HIGHEST MORTALITY in each WEEK in the NORTH (N), MIDLANDS (M) and SOUTH (S) of ENGLAND, and in WALES (W).

| ANNUAL MORTALITY PER 1,000 LIVING. |                               |   |                                 |                                   |                                    |
|------------------------------------|-------------------------------|---|---------------------------------|-----------------------------------|------------------------------------|
|                                    |                               | Week ending :—<br>November 9.<br>Towns over 20,000. |                                 |                                   |                                    |
| N<br>(7)                           | County Boroughs.              | N<br>(11)   | Wallsend ... .. 84·9            | S<br>(10)<br>cont.                | Torquay ... .. 32·3                |
|                                    | Leeds ... .. 29·5             |   | Hebburn ... .. 81·5             |                                   | Salisbury ... .. 30·2              |
|                                    | Burnley ... .. 29·3           |   | Jarrow ... .. 68·8              |                                   | Weymouth ... .. 28·1               |
|                                    | Chester ... .. 28·3           |   | Chadderton ... .. 39·5 (3)      |                                   | Ramsgate ... .. 26·7               |
|                                    | Barrow-in-Furness ... 27·3    |   | Felling ... .. 36·4 (2)         |                                   | Erluh ... .. 23·9 (2)              |
|                                    | Southport ... .. 27·0         |   | Shipley ... .. 36·2             |                                   | Sutton ... .. 16·3                 |
|                                    | Wakefield ... .. 24·2         |   | Ashton-in-Makerfield 35·7       | W<br>(2)                          | Pontypridd ... .. 44·6             |
| M                                  | Blackpool ... .. 16·0         |   | Stanley ... .. 33·5             |                                   | Rhondda ... .. 20·2                |
| S<br>(2)                           | Worcester ... .. 39·8         | M<br>(14)   | Brighouse ... .. 29·6           | <i>Adm. Counties (remainder).</i> |                                    |
|                                    | Hastings ... .. 34·1          |   | Eston ... .. 22·1               | N<br>(2)                          | Yorks. (West Riding) 29·0          |
| W                                  | Reading ... .. 33·5           |   | Farnworth ... .. 13·1 (2)       |                                   | Yorks. (East Riding) 23·0          |
|                                    | Swansea ... .. 37·9           |   | King's Lynn ... .. 96·2         | M<br>(7)                          | Cambridgeshire ... 36·2            |
| (12)                               | London.                       |   | Kidderminster ... .. 84·5       |                                   | Oxfordshire ... .. 35·4            |
|                                    | Finsbury ... .. 57·3          |   | Shrewsbury ... .. 54·6          |                                   | Shropshire ... .. 31·4             |
|                                    | Bethnal Green ... .. 47·4     |   | St. Albans ... .. 49·2          |                                   | Worcestershire ... 31·0            |
|                                    | Poplar ... .. 43·0            |   | Ikeston ... .. 48·2             |                                   | Northamptonshire .. 25·7           |
|                                    | Holborn ... .. 42·6           |   | Wolstanton ... .. 44·7          |                                   | Middlesex ... .. 24·9              |
|                                    | Bermondsey ... .. 40·9        |   | Heston & Isleworth ... 39·3     |                                   | Suffolk, East... .. 24·5           |
|                                    | Chelsea ... .. 40·4           |   | Finchley ... .. 35·0            | S<br>(8)                          | Berkshire ... .. 31·8              |
|                                    | Fulham ... .. 40·0            | S<br>(10)   | Stafford ... .. 34·6            |                                   | Kent ... .. 30·9                   |
|                                    | Southwark ... .. 36·4         |   | Acton ... .. 32·8               |                                   | Somersetshire ... .. 24·9          |
|                                    | Lambeth ... .. 28·8           |   | Sutton Coldfield ... 32·7       |                                   | Sussex, East ... .. 24·7           |
|                                    | Stepney ... .. 28·7           |   | Ealing ... .. 29·9              |                                   | Dorsetshire ... .. 24·2            |
|                                    | Hammersmith ... .. 23·9       |   | Colchester ... .. 28·9          |                                   | Surrey ... .. 21·7                 |
|                                    | Hampstead ... .. 20·3         |   | Lowestoft ... .. 24·2           |                                   | Wight, Isle of ... .. 20·0         |
| N<br>(5)                           | County Boroughs.              | N<br>(6)<br>cont.                                   | Margate ... .. 54·7             | W                                 | Sussex, West... .. 19·6            |
|                                    | Rotherham ... .. 60·7         |   | Maidstone ... .. 40·9           |                                   | Carmarthenshire ... 29·0           |
|                                    | Dewsbury ... .. 46·5          |   | Wimbledon ... .. 39·9           |                                   |                                    |
|                                    | Oldham ... .. 34·8            |   | Penge... .. 34·6                |                                   |                                    |
|                                    | Bradford ... .. 26·5          |   |                                 |                                   |                                    |
|                                    | Gateshead ... .. 21·4         |   |                                 |                                   |                                    |
|                                    | Coventry ... .. 40·1          | M<br>(9)  |                                 |                                   |                                    |
| M<br>(3)                           | Norwich ... .. 38·4           |   | November 16.                    | S                                 | Weston-super-Mare ... 34·2         |
| N<br>(6)                           | Ipswich ... .. 30·8           |   | Widnes ... .. 31·3              |                                   | <i>Adm. Counties (remainder).</i>  |
|                                    | Towns over 20,000.            |   | Harrogate ... .. 28·2           |                                   | Ely, Isle of ... .. 40·9           |
|                                    | Doncaster ... .. 42·9         |   | Bedlingtonshire ... .. 24·8 (3) |                                   | Warwickshire ... .. 32·7           |
|                                    | Felling ... .. 36·4 (2)       |   |                                 |                                   | Bedfordshire... .. 31·3            |
|                                    | Goole ... .. 34·8             |   |                                 |                                   | Norfolk ... .. 25·7                |
|                                    |                               |   |                                 |                                   |                                    |
| N<br>(7)                           | County Boroughs.              | N<br>(13)<br>cont.                                  | Chesterfield ... .. 69·7        | M<br>(4)                          | Wiltshire ... .. 24·4              |
|                                    | Stockport ... .. 42·9         |   | Tipton ... .. 65·1              |                                   | Cornwall ... .. 15·3               |
|                                    | Rochdale ... .. 39·0 (2)      |   | Gainsborough ... .. 64·2        |                                   | Flintshire ... .. 33·7             |
|                                    | Manchester ... .. 28·7        |   | Grantham ... .. 61·2            |                                   | Denbighshire ... .. 21·8           |
|                                    | Tynemouth ... .. 28·1         |   | Cannock ... .. 52·5             | W<br>(4)                          | Pembrokeshire ... .. 17·7          |
|                                    | Salford ... .. 23·2           |   | Nuneaton ... .. 45·8            |                                   | Anglesey ... .. 16·4               |
|                                    | Newcastle-on-Tyne ... 23·0    |   | Royal Leamington Spa 43·7 (2)   |                                   |                                    |
| M                                  | Bury ... .. 22·5              |   | Chiswick ... .. 36·3            |                                   |                                    |
|                                    | Wolverhampton ... .. 36·3 (2) |   | Newcastle under Lyme 34·8       |                                   |                                    |
|                                    | London.                       | M<br>(8)  |                                 |                                   |                                    |
|                                    | Westminster ... .. 24·8       |   | November 23.                    | S<br>(2)                          | Folkestone ... .. 21·8             |
|                                    | Towns over 20,000.            |   | Hyde ... .. 39·5                |                                   | Taunton ... .. 16·0 (2)            |
|                                    | Hartlepool ... .. 60·0        |   | Batley ... .. 33·7              | W<br>(2)                          | Maesteg ... .. 15·5                |
|                                    | Heywood ... .. 59·4           |   | Eccles... .. 25·0               |                                   | Ebbw Vale ... .. 11·7 (2)          |
|                                    | Blyth ... .. 46·6             |   | Bedlingtonshire ... .. 24·8 (3) |                                   | <i>Adm. Counties (remainder).</i>  |
| N<br>(13)                          | Macclesfield ... .. 45·8      |   | Todmorden ... .. 22·4           |                                   | Yorks. (North Riding) 29·7         |
|                                    | Chadderton ... .. 39·5 (3)    |   | Scarborough ... .. 21·5         | M<br>(3)                          | Huntingdonshire ... 37·0           |
|                                    |                               |   | Workington ... .. 21·0 (2)      |                                   | Suffolk, West ... .. 35·5          |
|                                    |                               |   | Accrington ... .. 7·8 (2)       |                                   | Staffordshire ... .. 32·2          |
|                                    |                               |   | Worksop ... .. 101·8            |                                   | Brecknockshire ... 39·8            |
|                                    |                               |   | Wednesbury ... .. 82·0          |                                   | Glamorganshire ... 16·7            |
|                                    |                               |   | Coseley ... .. 53·5             |                                   |                                    |
|                                    |                               |   | Oldbury ... .. 51·9 (2)         |                                   |                                    |
| N<br>(11)                          | County Boroughs.              | M<br>(10)   | Chepping Wycombe... 48·5        | W<br>(2)                          |                                    |
|                                    | Sunderland ... .. 65·8        |   | Royal Leamington Spa 43·7 (2)   |                                   |                                    |
|                                    | South Shields ... .. 50·3     |   | Southall Norwood ... 2·1        |                                   |                                    |
|                                    | West Hartlepool ... .. 41·6   |   | Hereford ... .. 21·6            |                                   |                                    |
|                                    | Rochdale ... .. 39·0 (2)      |   |                                 |                                   |                                    |
|                                    | Warrington ... .. 36·4        |   | November 30.                    | N<br>(12)                         | Towns over 20,000.                 |
|                                    | Darlington ... .. 33·7        |   | Nottingham ... .. 58·2          |                                   | Darwen ... .. 98·4                 |
|                                    | Barnsley ... .. 33·0          |   | West Bromwich ... .. 51·1       |                                   | Stockton-on-Tees ... 43·9          |
|                                    | Preston ... .. 29·6           |   | Grimsby ... .. 49·1             |                                   | Stretford ... .. 34·7              |
|                                    | Halifax ... .. 27·3           |   | Walsall ... .. 41·6             |                                   | Blaydon ... .. 34·4                |
|                                    | Blackburn ... .. 22·9         |   | Wolverhampton ... .. 36·3 (2)   |                                   | Swinton and<br>Pendlebury 30·3 (2) |
|                                    | Huddersfield ... .. 8·4       |   | Derby... .. 30·9                |                                   | Ashington ... .. 27·1              |
| W                                  |                               | S   | Smethwick ... .. 28·4           |                                   | Bedlingtonshire ... 24·8 (3)       |
|                                    |                               |   | Dudley ... .. 24·2              |                                   | Stalybridge ... .. 24·3            |
| W                                  |                               | S   | Lincoln ... .. 23·4             |                                   | Middleton ... .. 20·5              |
|                                    |                               |   | Birmingham ... .. 22·3          |                                   | Nelson ... .. 18·3                 |
| W                                  |                               | S   | Canterbury ... .. 42·0          |                                   | Accrington ... .. 7·8 (2)          |
|                                    |                               |   | Merthyr Tydfil ... .. 20·9      |                                   | Radcliffe ... .. 7·2 (2)           |



TABLE VII—INFLUENZA EPIDEMIC: SECOND WAVE.—*continued.*

AREAS reaching their HIGHEST MORTALITY in each WEEK in the NORTH (N), MIDLANDS (M), and SOUTH (S) of ENGLAND, and in WALES (W).

## ANNUAL MORTALITY PER 1,000 LIVING.

| <i>Towns over 20,000.—cont.</i> |                                     |                          | <i>Week ending:—<br/>November 30 cont.</i>         |                                   |          |                                   |                                 |      |
|---------------------------------|-------------------------------------|--------------------------|--|-----------------------------------|----------|-----------------------------------|---------------------------------|------|
| M<br>(9)                        | Bilston ... ..                      | 79·0                     | W<br>(5)   | Ogmore and Garw ... ..            | 106·1    | M<br>(6)                          | Rutlandshire ... ..             | 53·3 |
|                                 | Sutton-in-Ashfield ... ..           | 69·5                     |  | Abertillery ... ..                | 46·4     |                                   | Nottinghamshire ... ..          | 48·6 |
|                                 | Oldbury ... ..                      | 51·9 (2)                 |  | Aberdare ... ..                   | 26·1     |                                   | Lincs., pts. of Kesteven ... .. | 40·9 |
|                                 | Mansfield ... ..                    | 43·1                     |  | Tredegar ... ..                   | 22·8     |                                   | Lincs., pts. of Lindsey ... ..  | 39·7 |
|                                 | Cleethorpe-with-<br>Thruscoe ... .. | 39·7                     |  | Ebbw Vale ... ..                  | 11·7 (2) |                                   | Derbyshire ... ..               | 29·1 |
|                                 | Rowley Regis ... ..                 | 34·8                     |  | <i>Adm. Counties (remainder).</i> |          |                                   | Herefordshire ... ..            | 25·1 |
| S<br>(3)                        | Peterborough ... ..                 | 32·4                     | N<br>(6)   | Cumberland ... ..                 | 48·8     | W<br>(3)                          | Cardiganshire ... ..            | 25·3 |
|                                 | Kettering ... ..                    | 16·5                     |  | Durham ... ..                     | 36·9     |                                   | Radnorsbire ... ..              | 17·9 |
|                                 | Glossop ... ..                      | 14·1                     |  | Northumberland ... ..             | 33·2     |                                   | Merionethshire ... ..           | 16·7 |
|                                 | Guildford ... ..                    | 45·8                     |  | Westmorland ... ..                | 29·6     |                                   |                                 |      |
|                                 | Winchester ... ..                   | 16·1                     |  | Cheshire ... ..                   | 21·0     |                                   |                                 |      |
|                                 | Taunton ... ..                      | 16·0 (2)                 |  | Lancashire ... ..                 | 18·7     |                                   |                                 |      |
| <i>County Boroughs.</i>         |                                     |                          | <i>December 7.<br/>Towns over 20,000.</i>          |                                   |          | <i>Adm. Counties (remainder).</i> |                                 |      |
| N<br>(2)                        | St. Helens ... ..                   | 28·8                     | N<br>(5)   | Colne ... ..                      | 56·2     | M                                 | Lincs., pts. of Holland ... ..  | 40·0 |
|                                 | Carlisle ... ..                     | 22·3                     |  | Spenborough ... ..                | 40·6     |                                   |                                 |      |
|                                 |                                     | Ashton-under-Lyne ... .. |  | 26·3                              |          |                                   |                                 |      |
|                                 |                                     | Workington ... ..        |  | 21·0 (2)                          |          |                                   |                                 |      |
|                                 |                                     | Rawtenstall ... ..       |  | 16·5                              |          |                                   |                                 |      |
| <i>Towns over 20,000.</i>       |                                     |                          | <i>December 14.<br/>Adm. Counties (remainder).</i> |                                   |          |                                   |                                 |      |
| N                               | Swinton and<br>Pendlebury ... ..    | 30·3 (2)                 | M  | Peterborough, Soke of ... ..      |          |                                   |                                 |      |

rates for the week were those of Gloucester (20·9) and Cheltenham (23·3). The rates for the Middlesex suburbs remained comparatively high but did not flare up as those for the three southern boroughs. Shropshire once more furnished the highest county rate for the week, 6·7. This week affords the first instance of the culmination of the second wave for any area, Bedwelty, with 10 deaths, reaching its maximum rate of 18·6.

In the following week (ending October 19th) when the rate for England and Wales rose to 5·7 and for the South to 7·6, four county boroughs and five other towns, but no counties, attained their maximum mortality for the second wave. The county boroughs were Portsmouth, Southampton, Gloucester, and Liverpool, all of which have been noted as starting the second wave early. The other towns include Cheltenham (58·8), two in Lancashire, and two in the South. The rate for London was 6·8. Apart from those for the cities of the south coast, which included Plymouth, most of the highest rates were yielded by Midland areas. Thus Gloucester had the highest rate (13·3) for any county, as Cheltenham for any town. The rate for Hampshire also rose in association with those for Portsmouth and Southampton. Both these counties attained their maximum rates in the following week.

In this week (ending October 26th) nine urban areas attained their maximum mortality in the North as against six in the Midlands, three in the South, and four in Wales and Monmouth. This distribution is noteworthy in view of the earlier culmination of the outbreak in the South. It has been commonly said that it spread from south to north, but the facts quoted for this and the preceding week show that the outbreak made as early a start in the North as in the South, though progress was more rapid in the latter. Of the nine northern towns, eight were in Lancashire or suburbs of Liverpool, the latter being Birkenhead, Wallasey, and Waterloo with Seaforth. Thus the association of the early stages of the second wave with ports is as well marked for the North of England as for the South, though to judge by the maximum mortality attained (in the previous week) the strain of infection may have been more virulent in the southern ports. The Liverpool suburbs mentioned all suffered more severely, however, than the city itself, Birkenhead recording a rate of 36·7. The Liverpool mortalities throughout the whole epidemic ruled remarkably low (*see* Table XX), and, taken in conjunction with other evidence of a similar nature, go far to negative that association of high epidemic with high habitual mortality which has been noted in the case of earlier outbreaks (*see* page 27). In this week the first metropolitan borough, Stoke Newington, and the first three counties, Gloucester, Hampshire, and Monmouth, attained their maximum mortality.

The week ending November 2nd was marked by much more rapid progress of the epidemic in the South of England, where it reached its culminating point of 28·6, than in the North (Diagram XI). In this week the mortality of the county boroughs and other towns of over 20,000 population in the South, and of London, reached its highest point. The epidemic culminated in six county boroughs in the North, in eight in the Midlands, and in five in the South, or in 14, 31, and 41 per cent. respectively. For the other towns of over 20,000 population these proportions were 8, 25, and 50 per cent. respectively, and 25 per cent. in Wales. Fifteen out of the 29 metropolitan boroughs also reached their highest mortality in this week, but the counties as usual lagged behind, only four out of 28 in the Midlands, one out of 11 in the South, and two out of 13 in Wales figuring in the list. No northern county had yet attained its maximum, and it is remarkable that in Lancashire, where, as has been seen, an early start had been made, and where a



mortality of 14·8 was reached in this week, the maximum of 18·7 was not attained till four weeks later. Such a flat topped curve as this, which is not at all characteristic of influenza, but which may be noted in greater or lesser degree in the various diagrams representing the course of the disease in the North and Midlands, but not in the South or Wales, suggests that when the outbreak in the North was about to decline it may have been renewed by the introduction of a fresh strain of infection, possibly derived from the more severe early involvement of the South. During this week the highest rates reached by any county borough (Burton-on-Trent, 75·5), and by any listed Southern area (Dartford, 92·6) were recorded.

During the week ending November 9th the epidemic as a whole culminated; the mortality attained for England and Wales being 23·0 as against 21·6 in the previous and 19·2 in the following week. The county boroughs of the North and Midlands, and the counties of the Midlands and South also attained their maxima in this week, after which a remarkable interval of three weeks occurs before the belated maxima of the towns of over 20,000 population and remaining portions of administrative counties in the North are reached. In the Midlands the rate for the counties was only just higher in this week than three weeks later, a distinct depression occurring between these dates (*see* Diagrams VIII and XIV). In this week seven county boroughs in the North attained their maxima, but only one in the Midlands out of fourteen in which the epidemic had not already culminated. Two out of three remaining reached their maxima in the South, and one out of two in Wales. For the other towns of over 20,000 population the proportion reaching maximum mortality in this week was 18 per cent. in the North, 23 per cent. in the Midlands, 26 per cent. in the South, and 13 per cent. in Wales. The first two northern counties, the East and West Ridings of Yorkshire, reached their highest mortality in this week, together with 25 per cent. of those in the Midlands and 67 per cent. of those in the South, but only one Welsh county. All but one of the metropolitan boroughs which had not already reached their highest mortality now did so, and in fact after this week the South practically drops out of the picture so far as maximum rates are concerned.

During the week ending November 16th, mortality rapidly declined in all classes of area in the South, as also in the county boroughs and other towns of the Midlands. The county areas of the Midlands and the county boroughs and other towns of the North recorded a slight fall, to be followed later by a secondary rise, and the northern counties stood alone in England in showing an increase. The pause marked a general decrease in the proportion of areas attaining maximum mortality (*see* Table V).

The week ending November 23rd was marked by a great further fall of mortality in all classes of area in the South, and by a slight fall, confined to the towns, in the Midlands; but in the North the recrudescence of the epidemic was clearly marked. The proportions of county boroughs and of other towns in the North attaining their maximum mortality rose from 12 and 10 per cent. respectively in the previous week to 17 and 21 per cent. in this.

In the week ending November 30th the superimposed wave of mortality in the North reached its culmination (Diagrams VII and XI). All the counties in the north except Yorkshire attained their highest rates in this week, as well as 26 per cent. of the county boroughs, and 20 per cent. of the other towns listed. In the Midlands the county boroughs reaching their highest rates went up from 1, 3, and 1 in the three preceding weeks to 10, or 37 per cent. of the whole.

These boroughs were all situated in the northern Midlands, from Birmingham northwards, four in Staffordshire, two in Lincolnshire, and one each in Warwick, Worcester, Notts, and Derby. The tripartite division of England used proves in fact to be inappropriate to this inquiry, and a simple partition into North and South would have corresponded better with events. It has already been noted that during the first wave of the epidemic, when mortality was low in the South and high in the North, all the high mortalities reported from the Midlands refer to the northern portion of that area, especially Staffordshire. The experience of the second wave is similar, the distinction being no longer heavier mortality in the North, but its prolongation and even, to some extent, recrudescence in that part of the country while it was rapidly declining in the South. In each case mortality in the northern portion of the Midlands followed the northern course, and in the southern portion the southern.

It was in this week (that ending November 30th) that the highest mortality reached by any area, 106·1, was recorded by the urban district of Ogmore and Garw in Glamorganshire. This was the more remarkable in that rates on the whole ran comparatively low both in the other towns of Glamorganshire and in the remainder of the county, the next highest maximum rate attained being 44·6 in Pontypridd three weeks earlier. The 'peak' represented by this mortality was a very sharp one, the deaths in the week being 57 as against 30 in the preceding and 26 in the following week. As a result of this the mortality of Ogmore for the whole second wave, 13·4, was much less conspicuous, being exceeded by that of 12 other areas out of the 82 county boroughs and 161 other towns compared. The highest rate for the whole wave, 17·7, was returned by Hebburn, with a maximum weekly mortality of only 81·5. This naturally implies that in Hebburn the apex of the mortality curve was not nearly so sharp as in Ogmore, and reference to page 64 will show that here, as in the northern towns generally, mortality, after attaining a high level in the week ending November 9th declined in the following week and then rose to a second peak three weeks later. This notched summit of the curve is not noticeable in other Durham towns, or in the county, but it may be traced in several of the Lancashire towns, and what appears to give it some significance is that the notch always appears at about the same date, the week ending November 16th or 23rd, generally the former. It therefore appears that whatever cause led to the exacerbation of the disease in the North at the end of November did so not only by causing the mortality of many areas to continue to increase until that date, but by actually, in some instances, reversing an already commenced decrease. The weekly rates for the county boroughs afford many similar instances,\* of which that of Wallasey is especially marked. Generally the notch in the curve forms an interruption in its descent, but sometimes in its ascent. These cases are not wholly confined to the North, but the significant point about them, which appears clearly to contra-indicate mere chance as an explanation, is that the depression almost always occurs either in the week ending

\* See Blackpool, Bolton, Derby, Eastbourne, Hastings, Huddersfield, Lincoln, Liverpool, Middlesbrough, St. Helens, Tynemouth, Wakefield, Wallasey, Wigan, Worcester, Cardiff, and Merthyr Tydfil.



November 16th or 23rd, or in both. In the case of the third wave on the other hand, such depressions as mark the course of the epidemic wave in individual county boroughs show no similar concentration on any particular period; and in this case it is chiefly boroughs returning small numbers of deaths which display such irregularities.

In the week ending December 7th mortality was declining rapidly in all parts of the country. Only two county boroughs, five other towns, and one county reported their highest mortality in this week, all of the seven towns doing so being situated in the North. The end of the following week saw the epidemic everywhere on the decline, only one Lancashire town and one very small county, the Soke of Peterborough, attaining their maximum mortality during its course. Thereafter the fall continued week by week in all parts of the country, but with the South always definitely in advance of the North (Diagrams XI-XIV), until the latter part of January, when the first threatenings of the third wave began to appear. One of the most noticeable features of this part of the epidemic was the protraction of severe mortality in Barnsley, which furnished the highest rate amongst all the county boroughs for five weeks in succession, December 8th to January 11th, and amongst all the 333 areas listed for the four weeks December 15th to January 11th. For the seven weeks November 10th to December 28th its mortality varied only between 22·0 and 33·0—an instance of prolonged maintenance at a high level which must be very rare in the records of influenza.

The intermission of mortality between the second and third waves was neither so nearly complete nor so prolonged as that between the first and second. The number of weeks during which the influenza mortality of the whole country remained below 2·0 was five, and below 1·0, two, as against eleven and nine respectively between the first and second waves. The lowest rate reached by England and Wales was 0·8 in the week ending January 25th, but in this week the mortality of the North, which never fell below 1·0, was already commencing to rise for the third time. As will be clearly seen from Diagram XI, the third, like the first wave, affected the North very much more than any other part of the country, and the early start of the North, to which, however, no great significance need be attributed, was well maintained. The following week saw mortality moving upwards in all parts of the country, and thenceforward one prominent feature of this wave, in which it differs markedly from the second, is the synchronous character of the movement in each section of the country.

The early weeks of the third wave call for little comment in regard to individual areas. As is natural, in view of the preponderant share of mortality borne by the North, the great bulk of the highest rates recorded in each week were in the northern towns. This does not apply to the counties, where Wales figures with some prominence, though Diagram XIV shows that, when the county areas are taken as a whole, the northern excess is just as marked as in the case of the towns.

As early as the week ending February 1st one area, Cannock, attained its maximum mortality for the third wave with a rate of 10·9. This rate, founded on six deaths only, was repeated in the week ending February 15th, which was the first to record several maximum rates (in one county borough, Wigan, ten other towns, and Huntingdonshire).

In the week ending February 22nd the summit of the wave was reached by many areas, including 35 per cent. of the metropolitan boroughs, 17 per cent. of the county boroughs, 18 per cent. of the other towns, and 9 per cent. of the county areas (Table V). As in the case of the two earlier waves, the metropolitan boroughs were affected early and the county areas late. The two highest maxima, with one exception, reached during the third wave were recorded in this week by Farnworth (47·9) and Rowley Regis (45·4).

As may be seen from Tables IV and V and from Diagrams V-XIV, the next week, that ending March 1st, concentrated the maximum intensity of the wave to an extent in excess even of that ending July 13th in the first wave, and for which there is no parallel, except for the South, in the case of the second wave. The proportion of the areas tabulated which reached their maximum in this week was 39 per cent., as against 36 in the summit week of the first wave. The summit of the wave very definitely occurs in this week in all parts of England, as well as the largest number of maxima in individual areas, but in Wales, where the course of this wave was delayed a trifle behind that in England, particularly in its last stages, both the culminating point for the whole country and the largest number of maxima for individual areas were attained during the week ending March 8th. In England, however, the increase and decrease of mortality in all sections of the country during this wave were almost simultaneous, the curves of Diagram XI differing little except in height attained; and the proportion of areas of each type reaching their maximum mortality in each week was also very nearly the same in all sections of the country (Table V). This uniformity is even more striking in this than in the first wave, and is in sharp contrast with the experience of the second. Wakefield (46·1) and Kettering (44·1) recorded the highest rates for the week, and all those approximating most nearly to these were also reported from the northern half of the country. The highest maximum reached by any county in both this and in the following week was reported from Wales, but the consistently high levels attained by the northern county areas will be noted.

In the week ending March 8th, most areas which had not already done so reached their maximum mortality. These maxima included the highest recorded during the third wave, 50·4 in Hebburn, which also produced the highest mortality recorded by any area for the whole of this as well as of the second wave. After this week the decrease of the wave was very rapid, and no feature calls for special comment except the recurrence of Welsh names in the lists of maxima attained. The County of Cardigan attained its comparatively high maximum of 13·1 as late as the week ending April 5th, and Glossop (16·9) and two other towns in that ending April 12th. The week ending May 10th, when the mortality of the whole country had fallen to 0·4, has been taken as marking the end of the epidemic.

It remains now, after having traced the weekly course and progress of the epidemic in its three phases, noting the most outstanding features of its incidence upon separate areas, to compare the experiences of these areas in each phase and in the epidemic as a whole. The material for doing so will be found in Table XX, where the first four columns give the deaths and death-rates for each area dealt with in the three waves and in the whole of the epidemic. In order to facilitate the



TABLE VIII.—INFLUENZA EPIDEMIC: THIRD WAVE.

AREAS reaching their HIGHEST MORTALITY in each WEEK in the NORTH (N), MIDLANDS (M), and SOUTH (S) of ENGLAND, and in WALES (W).

| ANNUAL MORTALITY PER 1,000 LIVING. |  |           |  |           |  |
|------------------------------------|--|-----------|--|-----------|--|
| M                                  | Towns over 20,000.<br>Cannock ... .. 10·9 (2)  |           | Week ending :—<br>February 1.  |           |  |
| S                                  | Towns over 20,000.<br>Taunton ... .. 5·3 (3)   |           | February 8.  |           |  |
| N                                  | County Boroughs.<br>Wigan ... .. 18·8  |           | February 15.<br>Towns over 20,000.   | M<br>(3)  | Colchester ... .. 22·0<br>Barking Town ... .. 13·2<br>Cannock ... .. 10·9 (2)<br>Woking ... .. 4·4 (5)<br>Adm. Counties (remainder).<br>Huntingdonshire ... 6·2 (2)  |
|                                    |  | N<br>(6)  | Leigh ... .. 29·0<br>Ince-in-Makerfield ... 17·7<br>Castleford ... .. 15·9 (2)<br>Crewe ... .. 13·4<br>Goole ... .. 6·3 (2)<br>Harrogate ... .. 4·7 (4)  | S         |  |
|                                    |  |           | February 22.<br>Towns over 20,000.   |           |  |
| N<br>(10)                          | County Boroughs.<br>Newcastle-on-Tyne ... 32·0<br>Bradford ... .. 30·5<br>Tynemouth ... .. 29·0<br>Southport ... .. 25·4<br>West Hartlepool ... .. 23·8<br>Bootle ... .. 20·7<br>South Shields ... .. 18·8<br>Wallasey ... .. 18·0<br>Huddersfield ... .. 14·9 (2)<br>Preston ... .. 12·8 (3)  | N<br>(12) | Farnworth ... .. 47·9<br>Blyth ... .. 28·0<br>Bedlingtonshire ... .. 24·8<br>Waterloo with<br>Seaforth 24·8 (2)<br>Ashton-in-Makerfield 20·4<br>Nelson ... .. 19·8 (2)<br>Stanley ... .. 19·1<br>Castleford ... .. 15·9 (2)<br>Middleton ... .. 12·3 (3)<br>Heywood ... .. 11·9<br>Keighley ... .. 11·0<br>Blaydon ... .. 10·3   | S<br>(11) | Guildford ... .. 18·3<br>Beckenham ... .. 17·7<br>Winchester ... .. 13·8<br>Mitcham ... .. 10·2<br>Royal Tunbridge Wells 9·7<br>Weston-super-Mare ... 9·1 (2)<br>Hove ... .. 9·0<br>Barnes ... .. 6·6<br>Gillingham ... .. 4·8 (2)<br>Woking ... .. 4·4 (5)<br>Swindon ... .. 4·1 (2)  |
| M<br>(4)                           | Derby ... .. 12·8<br>Lincoln ... .. 12·1<br>Oxford ... .. 8·4<br>Dudley ... .. 7·0   |           | Rowley Regis ... .. 46·4<br>Hornsey ... .. 13·2<br>Enfield ... .. 10·5 (2)<br>Chepping Wycombe ... 10·2<br>Ilford ... .. 10·0<br>Finchley ... .. 9·7<br>Willesden ... .. 8·3<br>Edmonton ... .. 8·2<br>Grantham ... .. 7·7 (2)<br>Acton ... .. 7·3<br>Bedford ... .. 5·3   | W<br>(2)  | Bedwellty ... .. 9·3<br>Rhondda ... .. 8·5<br>Adm. Counties (remainder).   |
| S                                  | Brighton ... .. 16·7   |           |  | M<br>(2)  | Lincs.(pts.of Kesteven) 7·3 (2)<br>Suffolk, West ... .. 6·5  |
|                                    | London.<br>Chelsea ... .. 17·5<br>Holborn ... .. 17·0<br>St. Marylebone ... .. 14·3<br>Battersea ... .. 12·9 (2)<br>Hammersmith ... .. 11·3<br>Woolwich ... .. 10·9<br>Fulham ... .. 10·6 (2)<br>Hampstead ... .. 10·2<br>Bethnal Green ... .. 8·6<br>Finsbury ... .. 8·6<br>Stepney ... .. 8·6<br>City of London ... .. 6·6 (3)   | M<br>(11) |  | S<br>(3)  | Wight, Isle of ... .. 8·7<br>Surrey ... .. 7·2<br>Kent ... .. 7·1  |
|                                    |  |           |  | W         | Denbighshire ... .. 19·0   |
| N<br>(21)                          | County Boroughs.<br>Wakefield ... .. 46·1<br>St. Helens ... .. 31·6<br>Bolton ... .. 25·3<br>Blackburn ... .. 24·3<br>Blackpool ... .. 20·8<br>Dewsbury ... .. 17·7<br>Manchester ... .. 16·5<br>Barrow-in-Furness ... 16·3<br>Gateshead ... .. 16·0<br>Sunderland ... .. 15·9<br>Leeds ... .. 15·6<br>Huddersfield ... .. 14·9 (2)<br>Liverpool ... .. 14·4<br>Hull ... .. 14·2<br>Birkenhead ... .. 12·7<br>Stockport ... .. 12·2<br>Halifax ... .. 11·7<br>Oldham ... .. 11·0<br>Rochdale ... .. 9·6<br>York ... .. 9·3<br>Sheffield ... .. 8·9 | S<br>(7)  | March 1.<br>Exeter ... .. 18·7<br>Southampton ... .. 16·4<br>Portsmouth ... .. 15·1<br>Eastbourne ... .. 12·6<br>Plymouth ... .. 8·4<br>Hastings ... .. 8·0<br>Croydon ... .. 7·7  | N<br>(20) | Towns over 20,000.<br>Widnes ... .. 34·6<br>Workington ... .. 29·4 (2)<br>Radcliffe ... .. 28·6<br>Spenborough ... .. 26·5<br>Stretford ... .. 25·7<br>Waterloo with<br>Seaforth 24·8 (2)<br>Doncaster ... .. 19·8<br>Swinton & Pendlebury 18·9<br>Chadderton ... .. 18·7<br>Ashington ... .. 16·7<br>Bacup ... .. 16·7<br>Darwen ... .. 15·9 (2)<br>Felling ... .. 15·0 (2)<br>Rawtenstall ... .. 14·5<br>Hindley ... .. 14·2 (2)<br>Brighouse ... .. 13·5 (3)<br>Middleton ... .. 12·3 (3)<br>Eccles ... .. 10·5<br>Lancaster ... .. 7·9<br>Harrogate ... .. 4·7 (4) |
| M<br>(12)                          | Wolverhampton ... 21·0<br>Leicester ... .. 19·8<br>Stoke-upon-Trent ... 18·0<br>Ipswich ... .. 13·6<br>Gloucester ... .. 13·2<br>Southend-on-Sea ... 11·8<br>Bristol ... .. 11·6<br>Nottingham ... .. 10·4<br>Birmingham ... .. 9·8<br>Walsall ... .. 7·7<br>East Ham ... .. 6·5<br>Coventry ... .. 2·3  | (18)      | London 10·9.<br>Westminster ... .. 18·2<br>St. Pancras ... .. 15·4<br>Stoke Newington ... 14·2 (2)<br>Kensington ... .. 13·8<br>Paddington ... .. 13·3<br>Battersea ... .. 12·9 (2)<br>Lambeth ... .. 12·7<br>Islington ... .. 12·2<br>Bermondsey ... .. 12·0<br>Lewisham ... .. 11·7<br>Greenwich ... .. 11·0<br>Fulham ... .. 10·6 (2)<br>Camberwell ... .. 9·4<br>Poplar ... .. 9·0<br>Southwark ... .. 9·0<br>Hackney ... .. 8·3<br>Deptford ... .. 7·7<br>City of London ... .. 6·6 (3) | M<br>(24) | Kettering ... .. 44·1<br>Coseley ... .. 24·3<br>Rugby ... .. 20·7<br>Southgate ... .. 19·2<br>St. Albans ... .. 17·9<br>Twickenham ... .. 15·2<br>Shrewsbury ... .. 15·1 (2)<br>Sutton Coldfield ... 15·1<br>Chesterfield ... .. 13·1 (2)<br>Leyton ... .. 13·0<br>Ealing ... .. 12·9  |



TABLE VIII.—INFLUENZA EPIDEMIC: THIRD WAVE—*continued*.

AREAS reaching their HIGHEST MORTALITY in each WEEK in the NORTH (N), MIDLANDS (M), and SOUTH (S) of ENGLAND, and in WALES (W).

ANNUAL MORTALITY PER 1,000 LIVING.

| Towns over 20,000—cont.     |                           |                            | Week ending :—<br>March 1—cont.    |                              |                             |                              |                                  |                       |         |
|-----------------------------|---------------------------|----------------------------|------------------------------------|------------------------------|-----------------------------|------------------------------|----------------------------------|-----------------------|---------|
| M<br>(24)<br>cont.          | Hendon ... ..             | 11.5                       | S<br>(18)<br>cont.                 | Aldershot ... ..             | 14.6                        | M<br>(12)                    | Shropshire ... ..                | 15.8                  |         |
|                             | Enfield ... ..            | 10.5 (2)                   |                                    | Wimbledon ... ..             | 14.3                        |                              | Worcestershire ... ..            | 11.5                  |         |
|                             | Chiswick ... ..           | 10.4                       |                                    | Richmond ... ..              | 14.0                        |                              | Herefordshire ... ..             | 10.6                  |         |
|                             | Cheltenham ... ..         | 9.8                        |                                    | Dover ... ..                 | 12.1                        |                              | Leicestershire ... ..            | 9.6                   |         |
|                             | Watford ... ..            | 9.3                        |                                    | Penge ... ..                 | 11.5                        |                              | Lincs. (pts. of Holland) ... ..  | 9.5                   |         |
|                             | Grantham ... ..           | 7.7 (2)                    |                                    | Salisbury ... ..             | 10.1                        |                              | Rutlandshire ... ..              | 8.9                   |         |
|                             | Sutton-in-Ashfield ... .. | 7.2                        |                                    | Bromley ... ..               | 9.9                         |                              | Gloucestershire ... ..           | 8.1                   |         |
|                             | Cambridge ... ..          | 7.0                        |                                    | Dartford ... ..              | 9.5                         |                              | Buckinghamshire ... ..           | 7.5                   |         |
|                             | Southall Norwood ... ..   | 7.0                        |                                    | Reigate ... ..               | 7.9                         |                              | Middlesex ... ..                 | 7.4                   |         |
|                             | Luton ... ..              | 6.7                        |                                    | Woking ... ..                | 4.4 (5)                     |                              | Lincs. (pts. of Kesteven) ... .. | 7.3 (2)               |         |
| King's Lynn ... ..          | 5.8 (3)                   | W<br>(2)                   | Mountain Ash ... ..                | 16.8                         | Hertfordshire ... ..        | 6.3                          |                                  |                       |         |
| Royal Leamington Spa ... .. | 5.7                       |                            | Ogmore and Garw ... ..             | 3.7 (2)                      | Essex ... ..                | 6.0                          |                                  |                       |         |
| Walthamstow ... ..          | 4.1 (2)                   | Adm. Counties (remainder). |                                    |                              | S<br>(5)                    | Sussex (West) ... ..         | 9.8                              |                       |         |
| S<br>(18)                   | Maidstone ... ..          | 22.1                       | N<br>(5)                           | Durham ... ..                | 15.5                        | W<br>(4)                     | Hampshire ... ..                 | 9.7 (2)               |         |
|                             | Weymouth ... ..           | 21.1                       |                                    | Yorks. (West Riding) ... ..  | 14.6                        |                              | Berkshire ... ..                 | 7.6                   |         |
|                             | Ramsgate ... ..           | 18.7                       |                                    | Lancashire ... ..            | 13.9                        |                              | Wiltshire ... ..                 | 7.5                   |         |
|                             | Kingston ... ..           | 18.6                       |                                    | Northumberland ... ..        | 13.1                        |                              | Sussex (East) ... ..             | 6.1                   |         |
|                             | Gravesend ... ..          | 16.9                       |                                    | Yorks. (East Riding) ... ..  | 6.8 (2)                     | Carnarvonshire ... ..        | 17.1                             |                       |         |
|                             | Torquay ... ..            | 15.3                       |                                    | M<br>(5)                     | Montgomeryshire ... ..      | 10.1                         |                                  |                       |         |
|                             | Margate ... ..            | 15.2                       |                                    |                              |                             | Brecknockshire ... ..        | 6.8 (2)                          |                       |         |
| Gosport & Alversoke ... ..  | 15.0                      |                            |                                    |                              | Monmouthshire ... ..        | 6.6 (3)                      |                                  |                       |         |
| County Boroughs.            |                           |                            | March 8.                           |                              |                             |                              |                                  |                       |         |
| N<br>(8)                    | Salford ... ..            | 28.4                       | N<br>(20)<br>cont.                 | Wallsend ... ..              | 19.1                        | W<br>(4)                     | Aberdare ... ..                  | 15.6                  |         |
|                             | Bury ... ..               | 26.6                       |                                    | Chorley ... ..               | 17.0 (2)                    |                              | Llanelli ... ..                  | 14.0                  |         |
|                             | Warrington ... ..         | 19.7                       |                                    | Darwen ... ..                | 15.9 (2)                    |                              | Caerphilly ... ..                | 10.5                  |         |
|                             | Darlington ... ..         | 19.0                       |                                    | Felling ... ..               | 15.0 (2)                    |                              | Pontypridd ... ..                | 6.4                   |         |
|                             | Preston ... ..            | 12.8 (3)                   |                                    | Brighouse ... ..             | 13.5 (3)                    | Adm. Counties (remainder).   |                                  |                       |         |
|                             | Burnley ... ..            | 12.1                       |                                    | Scarborough ... ..           | 12.6                        | N<br>(4)                     | Cheshire ... ..                  | 14.4                  |         |
|                             | Chester ... ..            | 9.4                        |                                    | Middleton ... ..             | 12.3 (3)                    |                              | Cumberland ... ..                | 13.3                  |         |
| Carlisle ... ..             | 4.9 (3)                   | Morley ... ..              | 11.7                               | Yorks. (North Riding) ... .. | 11.9                        |                              |                                  |                       |         |
| M<br>(5)                    | West Bromwich ... ..      | 22.5                       | Eston ... ..                       | 9.2 (2)                      | Yorks. (East Riding) ... .. |                              | 6.8 (2)                          |                       |         |
|                             | Smethwick ... ..          | 17.7                       | Macclesfield ... ..                | 8.8                          | M<br>(10)                   | Peterborough, Soke of ... .. | 14.9                             |                       |         |
|                             | Yarmouth ... ..           | 17.3                       | Stockton-on-Tees ... ..            | 8.2 (2)                      |                             | Staffordshire ... ..         | 12.5                             |                       |         |
|                             | Worcester ... ..          | 12.9                       | Kidderminster ... ..               | 20.5                         |                             | Nottinghamshire ... ..       | 10.7                             |                       |         |
|                             | West Ham ... ..           | 8.1                        | Wood Green ... ..                  | 19.6                         |                             | Derbyshire ... ..            | 10.5                             |                       |         |
| S<br>(2)                    | Canterbury ... ..         | 16.3 (2)                   | Bilston ... ..                     | 15.8                         |                             | Oxfordshire ... ..           | 10.1                             |                       |         |
|                             | Bournemouth ... ..        | 13.3                       | Cleethorpe with<br>Thruscoe ... .. | 15.5                         | Warwickshire ... ..         | 9.7                          |                                  |                       |         |
| W<br>(2)                    | Swansea ... ..            | 12.6                       | M<br>(14)                          | Shrewsbury ... ..            | 15.1 (2)                    | Northamptonshire ... ..      | 9.5 (2)                          |                       |         |
|                             | Cardiff ... ..            | 9.8 (2)                    |                                    | Tipton ... ..                | 15.0                        | Ely, Isle of ... ..          | 8.2                              |                       |         |
| London.                     |                           |                            |                                    | Chesterfield ... ..          | 13.1 (2)                    | Huntingdonshire ... ..       | 6.2 (2)                          |                       |         |
| (3)                         | Shoreditch ... ..         | 13.1                       |                                    | Peterborough ... ..          | 11.8                        | Bedfordshire ... ..          | 4.3                              |                       |         |
|                             | Wandsworth ... ..         | 11.1                       |                                    | Lowestoft ... ..             | 10.4                        | S<br>(4)                     | Dorsetshire ... ..               | 11.1                  |         |
|                             | City of London ... ..     | 6.6 (3)                    |                                    | Tottenham ... ..             | 9.7                         |                              | Somersetshire ... ..             | 10.3                  |         |
| Towns over 20,000.          |                           |                            |                                    | Heston and Isleworth ... ..  | 9.5                         |                              | Hampshire ... ..                 | 9.7 (2)               |         |
| N<br>(20)                   | Hebburn ... ..            | 50.4                       |                                    | S<br>(9)                     | Ilkeston ... ..             |                              | 8.9                              | Devonshire ... ..     | 6.1     |
|                             | Stalybridge ... ..        | 37.5                       |                                    |                              | King's Lynn ... ..          | 5.8 (3)                      | M<br>(6)                         | Flintshire ... ..     | 20.6    |
|                             | Batley ... ..             | 33.7                       |                                    |                              | Walthamstow ... ..          | 4.1 (2)                      |                                  | Anglesey ... ..       | 9.8     |
|                             | Jarrow ... ..             | 30.6                       |                                    |                              | Rochester ... ..            | 27.6                         |                                  | Monmouthshire ... ..  | 6.6 (3) |
|                             | Workington ... ..         | 29.4 (2)                   |                                    |                              | Worthing ... ..             | 10.9                         |                                  | Glamorganshire ... .. | 6.1     |
|                             | Ashton-under-Lyne ... ..  | 28.9                       |                                    |                              | Sutton ... ..               | 10.8                         | Pembrokeshire ... ..             | 5.7                   |         |
|                             | Hartlepool ... ..         | 28.6                       |                                    |                              | Chatham ... ..              | 9.7                          | Cardiganshire ... ..             | 5.0                   |         |
|                             | Shipley ... ..            | 20.1                       | Erith ... ..                       |                              | 8.0                         |                              |                                  |                       |         |
|                             | Nelson ... ..             | 19.8 (2)                   | Taunton ... ..                     |                              | 5.3 (3)                     |                              |                                  |                       |         |
|                             |                           |                            |                                    |                              | Gillingham ... ..           | 4.8 (2)                      |                                  |                       |         |
|                             |                           |                            | Woking ... ..                      | 4.4 (5)                      |                             |                              |                                  |                       |         |
|                             |                           |                            | Swindon ... ..                     | 4.1 (2)                      |                             |                              |                                  |                       |         |
|                             |                           |                            |                                    |                              |                             |                              |                                  |                       |         |
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TABLE VIII.—INFLUENZA EPIDEMIC : THIRD WAVE—*continued*.

AREAS reaching their HIGHEST MORTALITY in each WEEK in the NORTH (N), MIDLANDS (M), and SOUTH (S) of ENGLAND, and in WALES (W).

| ANNUAL MORTALITY PER 1,000 LIVING. |                         |  |       |                |                            |       |                            |  |  |
|------------------------------------|-------------------------|--|-------|----------------|----------------------------|-------|----------------------------|--|--|
|                                    |                         |  |       | Week ending :— |                            |       |                            |  |  |
|                                    |                         |  |       | March 22.      |                            |       |                            |  |  |
| N                                  | County Boroughs.        |  |       | M {            | Mansfield ... .. 6·7       | W {   | Ebbw Vale ... .. 10·2      |  |  |
|                                    | Carlisle ... .. 4·9(3)  |  | (2) { |                | Hereford ... .. 4·3        | (2) { | Abersychan ... .. 4·2      |  |  |
| M                                  | Norwich ... .. 7·8      |  |       | S {            | Poole ... .. 5·3(2)        |       | Adm. Counties (remainder). |  |  |
|                                    | Towns over 20,000.      |  | (2) { |                | Woking ... .. 4·4(5)       | W     | Merionethshire ... 16·7    |  |  |
| N {                                | Chorley ... .. 17·0(2)  |  |       |                |                            |       |                            |  |  |
| (3) {                              | Hindley ... .. 14·2(2)  |  |       |                |                            |       |                            |  |  |
|                                    | Harrogate ... .. 4·7(4) |  |       |                |                            |       |                            |  |  |
|                                    |                         |  |       |                |                            |       |                            |  |  |
| W                                  | County Boroughs.        |  |       | W              | March 29.                  | W {   |                            |  |  |
|                                    | Merthyr Tydfil ... 8·7  |  |       |                | Maesteg ... .. 5·8         | (2) { | Radnorshire ... .. 12·8    |  |  |
| N                                  | Towns over 20,000.      |  |       |                | Adm. Counties (remainder). |       | Brecknockshire ... 6·8(2)  |  |  |
|                                    | Goole ... .. 6·3(2)     |  | M     |                | Cambridgeshire ... 8·2     |       |                            |  |  |
|                                    |                         |  |       |                |                            |       |                            |  |  |
| M                                  | Towns over 20,000.      |  |       | W              | April 5.                   | W     | Adm. Counties (remainder). |  |  |
|                                    | Nuneaton ... .. 8·6     |  |       |                | Ogmore and Garw ... 3·7(2) |       | Cardiganshire ... 13·1     |  |  |
|                                    |                         |  |       |                |                            |       |                            |  |  |
| N                                  | Towns over 20,000.      |  |       |                | April 12.                  |       |                            |  |  |
|                                    | Eston ... .. 9·2(2)     |  | M {   |                | Glossop ... .. 16·9        |       |                            |  |  |
|                                    |                         |  | (2) { |                | Gainsborough ... 10·7      |       |                            |  |  |

study of this material Tables X–XII have been prepared, where the position of each area in order of its mortality during each wave and during the whole epidemic is shown. When the death-rates themselves at the various stages are compared it is impossible to make quantitatively correct allowance for the differences in severity between the three waves. The significance of any given rate as high or low depends entirely upon the wave to which it refers. By showing the mortality of each area in each wave as a percentage of that of England and Wales, or by showing the position occupied by each area when all are arranged in order of mortality in each wave, this difficulty may be overcome. The latter method has been adopted. In order as far as may be to compare like only with like this comparison has been made separately for the three chief classes of area distinguished in Tables VI–VIII. These tables have to be considered in conjunction with Table IX, in which the death-rates of each class of area in each part of the country and in each phase of the epidemic are compared. This table for the most part merely confirms the impressions derived from the diagrams showing weekly mortality, by indicating to what a preponderant extent the first and third wave affected the North. It is especially useful, however, in correcting the impression liable to be conveyed by the diagrams that the second wave told with especial severity on the South. The table shows

TABLE IX.—INFLUENZA: ANNUAL MORTALITY per 1,000 living in VARIOUS PARTS of the COUNTRY during each WAVE of the EPIDEMIC.

|   | Whole Period.<br>(23rd June, 1918—<br>10th May, 1919.) |           |        |        |                       | First Wave.<br>(23rd June, 1918—<br>14th Sept., 1918.) |           |        |        |                       | Second Wave.<br>(15th Sept., 1918—<br>25th Jan., 1919.) |           |        |        |                       | Third Wave.<br>(26th Jan., 1919—<br>10th May, 1919.) |           |        |        |                       |
|---|--|-----------|--------|--------|-----------------------|--|-----------|--------|--------|-----------------------|---|-----------|--------|--------|-----------------------|--|-----------|--------|--------|-----------------------|
|   | North.   | Midlands. | South. | Wales. | England<br>and Wales. | North.   | Midlands. | South. | Wales. | England<br>and Wales. | North.  | Midlands. | South. | Wales. | England<br>and Wales. | North.   | Midlands. | South. | Wales. | England<br>and Wales. |
| London ... ..                             | —  | —         | 4·9    | —      | 4·9                   | —  | —         | 1·1    | —      | 1·1                   | —   | —         | 8·6    | —      | 8·6                   | —  | —         | 3·3    | —      | 3·3                   |
| County boroughs ...                       | 5·3  | 5·1       | 4·3    | 4·1    | 5·1                   | 2·0  | 1·5       | 0·7    | 1·3    | 1·7                   | 7·6   | 8·6       | 7·3    | 6·1    | 7·8                   | 5·1  | 3·6       | 3·4    | 3·7    | 4·4                   |
| Other towns of over 20,000<br>population. | 5·4  | 4·9       | 4·0    | 4·1    | 4·8                   | 2·5  | 1·0       | 0·6    | 2·5    | 1·5                   | 7·5   | 8·7       | 7·1    | 6·0    | 7·8                   | 5·0  | 3·1       | 2·9    | 2·9    | 3·5                   |
| Remainder of counties ...                 | 5·4  | 4·8       | 3·8    | 4·4    | 4·7                   | 1·8  | 0·8       | 0·5    | 1·1    | 1·1                   | 8·2   | 8·5       | 6·6    | 7·0    | 7·8                   | 4·7  | 3·2       | 2·9    | 3·7    | 3·6                   |
| All areas ... ..                          | 5·4  | 4·9       | 4·4    | 4·3    | 4·9                   | 2·0  | 1·1       | 0·8    | 1·5    | 1·4                   | 7·8   | 8·6       | 7·6    | 6·6    | 7·9                   | 5·0  | 3·3       | 3·1    | 3·5    | 3·8                   |

that the more sustained high mortality caused by this wave in the North, and especially the Midlands, told more severely than the sharper but less sustained outbreak in the South. We see also from this table that the first and third waves told somewhat more severely upon the larger centres of population (London escaping rather lightly in each case in conjunction with the rest of the South), but that all classes of area were affected alike by the second. As a result the more populous centres suffered very slightly more in the epidemic as a whole, but the incidence upon town and country was very nearly equal. The northern parts of the country, in consequence of their greater mortality during the first and third waves, suffered decidedly more, on the whole, than the southern.



TABLE X.—MORTALITY from INFLUENZA in COUNTY BOROUGHs, 1918-19. POSITION in ORDER of MORTALITY of each BOROUGH in each WAVE of the EPIDEMIC.

(Highest in Mortality of the 82 County Boroughs = 1.)

|                      | 1st Wave. | 2nd Wave. | 3rd Wave. | Total. |                     | 1st Wave. | 2nd Wave. | 3rd Wave. | Total. |                      | 1st Wave. | 2nd Wave. | 3rd Wave. | Total. |
|----------------------|-----------|-----------|-----------|--------|---------------------|-----------|-----------|-----------|--------|----------------------|-----------|-----------|-----------|--------|
| <i>North.</i>        |           |           |           |        |                     |           |           |           |        |                      |           |           |           |        |
| Barnsley ...         | 7         | 4         | 5         | 1      | Sheffield ...       | 32        | 7         | 54        | 14     | Smethwick ...        | 28        | 41        | 31        | 38     |
| Barrow-in-Furness... | 40        | 53        | 41        | 52     | Southport ...       | 58        | 58        | 13        | 38     | Southend-on-Sea ...  | 64        | 61        | 51        | 65     |
| Birkenhead ...       | 47        | 21        | 43        | 32     | South Shields ...   | 26        | 8         | 15        | 3      | Stoke-upon-Trent ... | 15        | 25        | 7         | 11     |
| Blackburn ...        | 18        | 56        | 19        | 32     | Stockport ...       | 32        | 45        | 54        | 50     | Walsall ...          | 7         | 16        | 66        | 19     |
| Blackpool ...        | 49        | 78        | 37        | 77     | Sunderland ...      | 18        | 9         | 31        | 4      | West Bromwich ...    | 7         | 3         | 21        | 2      |
| Bolton ...           | 13        | 76        | 13        | 47     | Tynemouth ...       | 47        | 47        | 12        | 29     | West Ham ...         | 37        | 13        | 66        | 26     |
| Bootle ...           | 43        | 23        | 23        | 19     | Wakefield ...       | 12        | 71        | 1         | 17     | Wolverhampton ...    | 49        | 11        | 11        | 4      |
| Bradford ...         | 34        | 58        | 4         | 24     | Wallasey ...        | 69        | 51        | 20        | 44     | Worcester ...        | 58        | 20        | 72        | 44     |
| Burnley ...          | 4         | 64        | 60        | 58     | Warrington ...      | 4         | 23        | 7         | 6      | Yarmouth ...         | 49        | 19        | 17        | 17     |
| Bury ...             | 15        | 70        | 2         | 19     | West Hartlepool ... | 23        | 13        | 27        | 11     |                      |           |           |           |        |
| Carlisle ...         | 20        | 79        | 77        | 81     | Wigan ...           | 20        | 58        | 7         | 25     | <i>South.</i>        |           |           |           |        |
| Chester ...          | 24        | 71        | 61        | 72     | York ...            | 55        | 38        | 78        | 62     | Bath ...             | 75        | 63        | 72        | 77     |
| Darlington ...       | 13        | 64        | 18        | 41     |                     |           |           |           |        | Bournemouth ...      | 77        | 81        | 50        | 82     |
| Dewsbury ...         | 15        | 17        | 15        | 11     | <i>Midlands.</i>    |           |           |           |        | Brighton ...         | 69        | 35        | 31        | 44     |
| Gateshead ...        | 28        | 76        | 30        | 65     | Birmingham ...      | 34        | 64        | 45        | 65     | Canterbury ...       | 77        | 17        | 43        | 32     |
| Halifax ...          | 43        | 47        | 54        | 55     | Bristol ...         | 58        | 32        | 51        | 47     | Croydon ...          | 64        | 41        | 75        | 65     |
| Huddersfield ...     | 2         | 82        | 21        | 65     | Burton-on-Trent ... | 58        | 1         | 74        | 6      | Eastbourne ...       | 69        | 75        | 37        | 76     |
| Hull ...             | 37        | 12        | 36        | 15     | Coventry ...        | 68        | 21        | 82        | 65     | Exeter ...           | 80        | 47        | 25        | 50     |
| Leeds ...            | 34        | 29        | 31        | 32     | Derby ...           | 49        | 32        | 54        | 47     | Hastings ...         | 80        | 35        | 70        | 62     |
| Liverpool ...        | 64        | 68        | 29        | 61     | Dudley ...          | 28        | 68        | 79        | 77     | Plymouth ...         | 49        | 56        | 70        | 72     |
| Manchester ...       | 24        | 51        | 25        | 36     | East Ham ...        | 49        | 15        | 80        | 41     | Portsmouth ...       | 72        | 25        | 45        | 41     |
| Middlesbrough ...    | 10        | 53        | 41        | 38     | Gloucester ...      | 43        | 25        | 37        | 29     | Reading ...          | 58        | 41        | 64        | 58     |
| Newcastle-on-Tyne... | 26        | 64        | 3         | 26     | Grimsby ...         | 40        | 38        | 66        | 55     | Southampton ...      | 72        | 35        | 51        | 52     |
| Oldham ...           | 3         | 41        | 49        | 36     | Ipswich ...         | 75        | 47        | 54        | 62     |                      |           |           |           |        |
| Preston ...          | 4         | 34        | 27        | 19     | Leicester ...       | 37        | 10        | 23        | 6      | <i>Wales.</i>        |           |           |           |        |
| Rochdale ...         | 1         | 40        | 61        | 26     | Lincoln ...         | 72        | 28        | 65        | 52     | Cardiff ...          | 55        | 46        | 45        | 55     |
| Rotherham ...        | 55        | 5         | 31        | 6      | Northampton ...     | 77        | 53        | 75        | 75     | Merthyr Tydfil ...   | 20        | 74        | 45        | 72     |
| St. Helens ...       | 28        | 29        | 7         | 16     | Norwich ...         | 82        | 29        | 66        | 58     | Newport (Mon.) ...   | 40        | 80        | 40        | 80     |
| Salford ...          | 11        | 71        | 6         | 29     | Nottingham ...      | 43        | 2         | 61        | 6      | Swansea ...          | 64        | 62        | 54        | 65     |
|                      |           |           |           |        | Oxford ...          | 58        | 6         | 80        | 19     |                      |           |           |           |        |

Table X may now be considered in the light of these summarised results. It shows that in the first wave all the county boroughs of highest mortality were situated in the North or in Staffordshire. Liverpool and Wallasey formed the chief exceptions to the rule of high mortality in the North. In fact the comparative immunity of Liverpool throughout the whole epidemic is noteworthy in view of its high normal death-rate. It escaped far more lightly than the county boroughs adjacent to it, Birkenhead, Bootle, and Wallasey. The southern county boroughs all occupy positions in the lower half of the list of mortalities.

In the second wave the three highest positions were occupied by boroughs in the northern Midlands, Burton-on-Trent, Nottingham, and West Bromwich. Barnsley, which had occupied the seventh position in the first phase, came fourth in the second, and fifth in the third. Its consistently high mortality in all three is very remarkable, and places it first for the whole epidemic by a good margin (8·3 against the 7·7 of West Bromwich, which comes next). This and other cases like it prove that severity of affection by one wave was by no means a guarantee against a similar experience in the next. The question whether the records of the county boroughs in general in the three waves afford any indication of relative immunity acquired by previous suffering is examined in the Report of the Ministry of Health, and so will not be discussed here. But such cases as those of Barnsley, West Bromwich, South Shields, and Warrington in this table, and Hebburn in Table XI, prove that if any general tendency of the kind exists it has numerous and important exceptions.

The southern boroughs did not escape so lightly in the second as in the first wave, but Canterbury, seventeenth in order, holds the highest position amongst them for any of the three waves, so although their general level of mortality was not very much below the average for the whole country in this wave (Table IX) they afford no instance of a conspicuously high rate. In the southern midlands, however, we find Oxford occupying the sixth place, and West and East Ham the thirteenth and fifteenth. These instances represent, relatively as well as absolutely, the highest mortalities sustained by any of the county boroughs in the southern half of the country in any phase of the epidemic.

In the third wave, again, all the highest mortality positions are held by the North and Staffordshire. The highest rate reported from the rest of the country was that of Yarmouth, holding the seventeenth position. But notwithstanding the high rates returned by Staffordshire towns the average rate for the midland boroughs was only slightly above that for the southern, the northern being in much excess (Table IX).

It would be tedious to attempt to draw attention to the leading features of Tables XI and XII even to the same extent as in the case of county boroughs. They are put on record mainly as a convenient means of showing how each area dealt with behaved in each wave, so that the reader can readily ascertain how any area in which he may be interested fared on each occasion. Attention must, however, be directed to the record of Hebburn in Table XI. This town, after suffering far above the average in the first wave, actually had the highest mortality of any of the 161 compared in this table in both the second and the third waves, as well as, of course, in the whole epidemic. Its neighbour, Jarrow, which had escaped very lightly in the first wave, also suffered severely in both the second and third, and so comes second for the whole epidemic. It is very remarkable that while these Tyne towns were suffering so severely in the great second wave of the epidemic their greater



TABLE XI.—MORTALITY from INFLUENZA in TOWNS of OVER 20,000 POPULATION, OTHER THAN COUNTY BOROUGHs, 1918-19. POSITION in ORDER of MORTALITY in each WAVE).

(Highest in Mortality of the 161 Towns = 1.)

|                        | 1st Wave.       | 2nd Wave. | 3rd Wave. | Total. |                      | 1st Wave.         | 2nd Wave. | 3rd Wave. | Total. |                      | 1st Wave.    | 2nd Wave. | 3rd Wave. | Total. |     |
|------------------------|-----------------|-----------|-----------|--------|----------------------|-------------------|-----------|-----------|--------|----------------------|--------------|-----------|-----------|--------|-----|
| <i>North.</i>          |                 |           |           |        | <i>Midlands.</i>     |                   |           |           |        | <i>South.</i>        |              |           |           |        |     |
| Accrington ...         | 55              | 159       | 23        | 141    | Acton ...            | 101               | 47        | 130       | 90     | Wolstanton ...       | 49           | 67        | 60        | 62     |     |
| Ashington ...          | 33              | 141       | 58        | 118    | Barking Town ...     | 114               | 5         | 80        | 10     | Worksop ...          | 95           | 3         | 159       | 13     |     |
| Ashton - under - Lyne  | 17              | 118       | 14        | 46     | Bedford ...          | 114               | 83        | 138       | 125    | Wood Green ...       | 114          | 57        | 37        | 58     |     |
| Ashton-in-Makerfield   | 8               | 41        | 48        | 25     | Bilston ...          | 19                | 12        | 50        | 7      | <i>South.</i>        |              |           |           |        |     |
| Bacup ...              | 2               | 161       | 69        | 133    | Cambridge ...        | 148               | 102       | 126       | 141    | Aldershot ...        | 89           | 120       | 74        | 118    |     |
| Batley ...             | 27              | 71        | 8         | 18     | Cannock ...          | 10                | 43        | 74        | 36     | Barnes ...           | 84           | 91        | 123       | 111    |     |
| Bedlingtonshire        | 39              | 88        | 24        | 48     | Cheltenham ...       | 137               | 26        | 80        | 44     | Beckenham ...        | 114          | 128       | 33        | 109    |     |
| Blaydon ...            | 39              | 91        | 120       | 100    | Chepping Wycombe     | 137               | 47        | 138       | 96     | Bromley ...          | 148          | 134       | 111       | 149    |     |
| Blyth ...              | 23              | 75        | 18        | 34     | Chesterfield ...     | 44                | 9         | 53        | 8      | Chatham ...          | 95           | 5         | 150       | 16     |     |
| Brighouse ...          | 5               | 129       | 30        | 52     | Chiswick ...         | 79                | 77        | 95        | 96     | Dartford ...         | 137          | 9         | 114       | 17     |     |
| Castleford ...         | 114             | 66        | 33        | 62     | Cleethorpe with      | <i>Thrunscope</i> |           |           |        |                      | Dover ...    | 89        | 95        | 95     | 109 |
| Chadderton ...         | 12              | 21        | 27        | 10     | Colchester ...       | 75                | 111       | 30        | 86     | Erith... ..          | 94           | 125       | 148       | 148    |     |
| Chorley ...            | 39              | 43        | 30        | 31     | Coseley ...          | 101               | 77        | 42        | 74     | Folkestone ...       | 154          | 124       | 60        | 125    |     |
| Colne ...              | 39              | 52        | 150       | 74     | Ealing ...           | 33                | 31        | 95        | 36     | Gillingham ...       | 95           | 102       | 138       | 139    |     |
| Crewe ...              | 79              | 71        | 54        | 69     | Edmonton ...         | 114               | 99        | 69        | 109    | Gosport & Alverstoke | 114          | 141       | 74        | 149    |     |
| Darwen ...             | 27              | 15        | 60        | 9      | Enfield ...          | 101               | 39        | 103       | 65     | Gravesend ...        | 130          | 77        | 120       | 114    |     |
| Doncaster ...          | 56              | 34        | 20        | 21     | Finchley ...         | 114               | 83        | 83        | 100    | Guildford ...        | 154          | 61        | 45        | 65     |     |
| Eccles ...             | 84              | 111       | 95        | 118    | Gainsborough ...     | 159               | 77        | 95        | 109    | Hove... ..           | 130          | 108       | 91        | 118    |     |
| Eston ...              | 1               | 116       | 74        | 48     | Grantham ...         | 21                | 4         | 83        | 5      | Kingston-on-Thames   | 130          | 75        | 45        | 74     |     |
| Farnworth ...          | 64              | 154       | 3         | 69     | Hendon ...           | 44                | 151       | 16        | 104    | Maidstone ...        | 114          | 23        | 67        | 36     |     |
| Felling ...            | 79              | 46        | 54        | 48     | Hereford ...         | 137               | 19        | 138       | 44     | Margate ...          | 148          | 26        | 123       | 58     |     |
| Goole ...              | 64              | 25        | 156       | 52     | Heston & Isleworth   | 95                | 111       | 130       | 141    | Mitcham ...          | 89           | 30        | 118       | 52     |     |
| Harrogate ...          | 101             | 86        | 130       | 125    | Ilford ...           | 56                | 139       | 159       | 152    | Penge ...            | 137          | 95        | 87        | 114    |     |
| Hartlepool ...         | 6               | 22        | 9         | 6      | Ilkeston ...         | 114               | 57        | 114       | 90     | Poole... ..          | 159          | 108       | 130       | 145    |     |
| Hebburn ...            | 15              | 1         | 1         | 1      | Kettering ...        | 101               | 83        | 67        | 90     | Ramsgate ...         | 101          | 94        | 74        | 104    |     |
| Heywood ...            | 4               | 54        | 91        | 31     | Kidderminster        | 101               | 42        | 87        | 65     | Reigate ...          | 130          | 118       | 126       | 145    |     |
| Hindley ...            | 9               | 148       | 19        | 82     | King's Lynn ...      | 64                | 18        | 95        | 22     | Richmond ...         | 130          | 88        | 103       | 114    |     |
| Hyde... ..             | 49              | 39        | 54        | 36     | Leyton ...           | 154               | 152       | 10        | 118    | Rochester ...        | 114          | 24        | 26        | 25     |     |
| Ince-in-Makerfield ... | 3               | 145       | 45        | 74     | Loughborough         | 137               | 2         | 28        | 3      | Royal Tunbridge      | <i>Wells</i> |           |           |        |     |
| Jarrow ...             | 75              | 8         | 7         | 2      | Lowestoft ...        | 154               | 16        | 153       | 41     | Salisbury ...        | 130          | 57        | 95        | 86     |     |
| Keighley ...           | 71              | 33        | 103       | 48     | Luton ...            | 101               | 47        | 83        | 69     | Sutton ...           | 137          | 125       | 91        | 141    |     |
| Lancaster ...          | 154             | 108       | 111       | 139    | Mansfield ...        | 137               | 19        | 80        | 29     | Swindon ...          | 101          | 160       | 114       | 161    |     |
| Leigh ...              | 19              | 102       | 10        | 34     | Newcastle-under-     | 148               | 102       | 103       | 133    | Taunton ...          | 101          | 88        | 150       | 133    |     |
| Macclesfield ...       | 64              | 86        | 126       | 104    | Lyme ...             | 159               | 99        | 157       | 149    | Torquay ...          | 56           | 145       | 144       | 154    |     |
| Middleton ...          | 26              | 134       | 54        | 104    | Nuneaton ...         | 56                | 63        | 144       | 90     | Torquay ...          | 101          | 95        | 65        | 100    |     |
| Morley ...             | 71              | 125       | 87        | 125    | Oldbury ...          | 30                | 74        | 13        | 29     | Weston-super-Mare    | 137          | 61        | 130       | 104    |     |
| Nelson ...             | 17              | 152       | 33        | 118    | Peterborough ...     | 75                | 26        | 114       | 46     | Weymouth ...         | 95           | 137       | 42        | 125    |     |
| Radcliffe ...          | 27              | 158       | 20        | 133    | Rowley Regis         | 71                | 47        | 60        | 52     | Wimbledon ...        | 101          | 77        | 60        | 86     |     |
| Rawtenstall...         | 7               | 156       | 37        | 125    | Royal Leamington Spa | 114               | 120       | 69        | 118    | Winchester ...       | 114          | 149       | 120       | 158    |     |
| Scarborough ...        | 70              | 82        | 118       | 100    | Rugby ...            | 49                | 55        | 5         | 15     | Woking ...           | 137          | 150       | 144       | 159    |     |
| Shipley ...            | 79              | 43        | 28        | 41     | St. Albans ...       | 130               | 31        | 153       | 74     | Worthing ...         | 148          | 95        | 103       | 125    |     |
| Spenborough ...        | 64              | 71        | 50        | 62     | Shrewsbury ...       | 84                | 29        | 48        | 31     | <i>Wales</i>         |              |           |           |        |     |
| Stalybridge ...        | 33              | 102       | 6         | 27     | Southall Norwood     | 137               | 47        | 39        | 52     | Aberdare ...         | 48           | 120       | 50        | 90     |     |
| Stanley ...            | 15              | 63        | 39        | 36     | Southgate ...        | 61                | 34        | 20        | 22     | Abersychan ...       | 71           | 137       | 158       | 152    |     |
| Stockton-on-Tees       | 30              | 36        | 83        | 41     | Stafford ...         | 79                | 99        | 144       | 133    | Abertillery ...      | 14           | 52        | 130       | 58     |     |
| Stretford ...          | 39              | 129       | 25        | 74     | Sutton-in-Ashfield   | 101               | 116       | 33        | 96     | Barry ...            | 114          | 141       | 130       | 156    |     |
| Swinton & Pendlebury   | 23              | 67        | 69        | 58     | Sutton Coldfield     | 12                | 134       | 39        | 82     | Bedwellty ...        | 33           | 140       | 87        | 133    |     |
| Todmorden ...          | 38              | 129       | 10        | 52     | Tipton ...           | 64                | 14        | 138       | 18     | Caerphilly ...       | 44           | 141       | 103       | 145    |     |
| Wallsend ...           | 44              | 11        | 14        | 4      | Tottenham ...        | 89                | 111       | 69        | 109    | Ebbw Vale ...        | 49           | 157       | 91        | 156    |     |
| Waterloo with          | <i>Seaforth</i> |           |           |        |                      | 89                | 111       | 69        | 109    | Gelligaer ...        | 49           | 102       | 153       | 125    |     |
| Widnes ...             | 148             | 133       | 16        | 96     | Twickenham ...       | 33                | 17        | 58        | 13     | Llanelly ...         | 61           | 67        | 74        | 69     |     |
| Workington...          | 30              | 91        | 4         | 18     | Walthamstow ...      | 75                | 57        | 109       | 82     | Maesteg ...          | 84           | 155       | 138       | 160    |     |
|                        | 49              | 132       | 2         | 27     | Watford ...          | 114               | 55        | 109       | 86     | Mountain Ash         | 21           | 111       | 42        | 65     |     |
|                        |                 |           |           |        | Wednesbury...        | 114               | 36        | 130       | 74     | Ogmore & Garw        | 61           | 12        | 159       | 22     |     |
|                        |                 |           |           |        | Willesden ...        | 89                | 67        | 95        | 90     | Pontypridd ...       | 23           | 63        | 148       | 74     |     |
|                        |                 |           |           |        |                      | 56                | 7         | 123       | 12     | Rhondda ...          | 11           | 120       | 65        | 82     |     |
|                        |                 |           |           |        |                      | 84                | 38        | 126       | 69     | Tredegar ...         | 95           | 145       | 111       | 154    |     |

neighbours, Newcastle, Gateshead, and Tynemouth, should have escaped lightly (Table X). South Shields alone amongst the county boroughs of the area was hard hit by the second wave.

Table XII shows that, as in the case of the towns, the county areas of the South escaped on the whole somewhat lightly, the hardest hit in the epidemic as a whole, Berkshire, Kent, and East Sussex, jointly occupying the thirty-second position in a list of 61. Table IX shows that the mortality of these county areas progressively increased from south to north in the whole epidemic, and, with one small exception, in each of its waves. No southern county is included in the first half of the list for the whole epidemic, and no northern county in the second half. Some of the Welsh counties suffered rather severely, particularly Carnarvon and Flint, and that in all three waves.

It will be seen from Table VI that in the first wave of the epidemic the maximum rates for the county boroughs which occurred early rule higher than those occurring later. It therefore seemed desirable to ascertain whether any general rule could be established that the areas hit earliest throughout the epidemic were also hit hardest. The mortalities throughout the whole of each wave of the groups of county boroughs attaining their maximum mortality in each week have accordingly been worked out; and the other towns and remainders of counties have been treated in the same way. In cases where its highest mortality was attained by any area in more than one



TABLE XII.—MORTALITY from INFLUENZA in REMAINDERS OF COUNTIES. POSITION of each COUNTY in ORDER of MORTALITY in each WAVE.

(Highest in Mortality of the 61 Remainers of Counties = 1)

|                              | 1st Wave. | 2nd Wave. | 3rd Wave. | Total. |                        | 1st Wave. | 2nd Wave. | 3rd Wave. | Total. |
|------------------------------|-----------|-----------|-----------|--------|------------------------|-----------|-----------|-----------|--------|
| <i>North.</i>                |           |           |           |        |                        |           |           |           |        |
| Cheshire ... ..              | 14        | 34        | 4         | 14     | Staffordshire ... ..   | 3         | 12        | 13        | 6      |
| Cumberland ... ..            | 6         | 17        | 11        | 11     | Suffolk, East ... ..   | 50        | 49        | 21        | 47     |
| Durham ... ..                | 1         | 21        | 9         | 6      | "    West ... ..       | 45        | 19        | 46        | 28     |
| Lancashire ... ..            | 2         | 42        | 5         | 17     | Warwickshire ... ..    | 30        | 5         | 34        | 16     |
| Northumberland ... ..        | 14        | 39        | 20        | 28     | Worcestershire ... ..  | 10        | 12        | 16        | 11     |
| Westmorland ... ..           | 14        | 27        | 28        | 24     | <i>South.</i>          |           |           |           |        |
| Yorks (East Riding) ... ..   | 23        | 14        | 36        | 22     | Berkshire ... ..       | 40        | 29        | 36        | 32     |
| "    (North Riding) ... ..   | 10        | 7         | 14        | 8      | Cornwall ... ..        | 30        | 59        | 34        | 57     |
| "    (West Riding) ... ..    | 4         | 11        | 8         | 5      | Devonshire ... ..      | 45        | 53        | 42        | 57     |
| <i>Midlands.</i>             |           |           |           |        | Dorsetshire ... ..     | 30        | 54        | 16        | 47     |
| Bedfordshire ... ..          | 40        | 21        | 57        | 39     | Hampshire ... ..       | 45        | 49        | 31        | 53     |
| Buckinghamshire ... ..       | 30        | 8         | 46        | 19     | Kent ... ..            | 40        | 27        | 42        | 32     |
| Cambridgeshire ... ..        | 59        | 25        | 46        | 32     | Somersetshire ... ..   | 50        | 44        | 16        | 41     |
| Derbyshire ... ..            | 6         | 21        | 14        | 14     | Surrey ... ..          | 30        | 54        | 36        | 54     |
| Ely, Isle of ... ..          | 50        | 16        | 57        | 32     | Sussex, East ... ..    | 24        | 32        | 36        | 32     |
| Essex ... ..                 | 30        | 29        | 52        | 39     | "    West ... ..       | 45        | 45        | 28        | 45     |
| Gloucestershire ... ..       | 40        | 37        | 26        | 32     | Wight, Isle of ... ..  | 24        | 51        | 55        | 54     |
| Herefordshire ... ..         | 50        | 36        | 21        | 30     | Wiltshire ... ..       | 50        | 45        | 42        | 51     |
| Hertfordshire ... ..         | 30        | 40        | 52        | 47     | <i>Wales.</i>          |           |           |           |        |
| Huntingdonshire ... ..       | 50        | 14        | 59        | 30     | Anglesey ... ..        | 24        | 61        | 16        | 54     |
| Leicestershire ... ..        | 18        | 4         | 21        | 9      | Brecknockshire ... ..  | 6         | 24        | 36        | 24     |
| Lincolnshire, Holland ... .. | 30        | 37        | 50        | 43     | Cardiganshire ... ..   | 24        | 29        | 11        | 19     |
| "    Kesteven ... ..         | 24        | 9         | 42        | 19     | Carmarthenshire ... .. | 18        | 34        | 55        | 41     |
| "    Lindsey ... ..          | 18        | 6         | 25        | 11     | Carnarvonshire ... ..  | 18        | 3         | 5         | 2      |
| Middlesex ... ..             | 40        | 43        | 46        | 51     | Denbighshire ... ..    | 24        | 47        | 2         | 26     |
| Norfolk ... ..               | 50        | 40        | 36        | 45     | Flintshire ... ..      | 17        | 17        | 1         | 4      |
| Northamptonshire ... ..      | 30        | 25        | 26        | 26     | Glamorganshire ... ..  | 5         | 52        | 31        | 47     |
| Nottinghamshire ... ..       | 10        | 2         | 24        | 3      | Merionethshire ... ..  | 13        | 54        | 7         | 32     |
| Oxfordshire ... ..           | 50        | 9         | 31        | 17     | Monmouthshire ... ..   | 6         | 48        | 28        | 43     |
| Peterborough, Soke of ... .. | 45        | 54        | 52        | 59     | Montgomeryshire ... .. | 50        | 32        | 10        | 22     |
| Rutlandshire ... ..          | 59        | 1         | 59        | 1      | Pembrokeshire ... ..   | 30        | 60        | 61        | 61     |
| Shropshire ... ..            | 18        | 19        | 2         | 9      | Radnorshire ... ..     | 61        | 58        | 50        | 60     |

week the area has been included in the group for each of these weeks, as in Tables VI—VIII. As in these tables also some areas have been omitted altogether in the case of the first wave, as not yielding any definite maximum rate. The results of this grouping are as follows :—

## Annual Mortality per 1,000 living.

| First Wave.  |                  |              |           | Second Wave. |                  |              |           | Third Wave.  |                  |              |           |
|--------------|------------------|--------------|-----------|--------------|------------------|--------------|-----------|--------------|------------------|--------------|-----------|
| Week ending. | County Boroughs. | Other Towns. | Counties. | Week ending. | County Boroughs. | Other Towns. | Counties. | Week ending. | County Boroughs. | Other Towns. | Counties. |
| July 6 ...   | 2·0              | 1·8          | 0·6       | Oct. 19 ...  | 6·8              | 7·9          | —         | Feb. 22 ...  | 5·7              | 3·3          | 2·9       |
| "    13 ...  | 1·8              | 1·7          | 1·3       | "    26 ...  | 7·3              | 7·3          | 6·6       | Mch. 1 ...   | 4·2              | 3·5          | 3·8       |
| "    20 ...  | 1·4              | 1·8          | 1·1       | Nov. 2 ...   | 8·9              | 7·8          | 8·0       | "    8 ...   | 4·5              | 3·8          | 3·6       |
| "    27 ...  | 1·0              | 1·5          | 0·6       | "    9 ...   | 7·2              | 8·1          | 7·9       | "    15 ...  | 3·7              | 3·2          | 3·1       |
| Aug. 3 ...   | 0·8              | 1·3          | 0·6       | "    16 ...  | 7·6              | 9·6          | 7·0       | "    22 ...  | 2·7              | 2·8          | 4·9       |
| "    10 ...  | 0·6              | 1·4          | 0·5       | "    23 ...  | 6·9              | 7·3          | 8·3       | "    29 ...  | —                | 2·1          | 2·5       |
|              |                  |              |           | "    30 ...  | 8·1              | 6·8          | 8·2       |              |                  |              |           |
|              |                  |              |           | Dec. 7 ...   | 6·8              | 6·1          | —         |              |                  |              |           |

It will be seen that the rule suggested holds good only for the first wave, in which it applies not only to the county boroughs but substantially to the other classes of area as well. In the second and third waves however no such rule applies, late involvement appearing to afford little or no protection against heavy mortality.

*Relation of Influenza Mortality to General Health Conditions, Zymotic Mortality, &c.*—In the report of the Registrar-General for 1847 certain relationships of the influenza mortality of that year to other conditions are noted. It is stated that "the epidemic killed twice as many people" (in proportion to population) in the insalubrious parts of London as it did in those less unhealthy, the excess of total mortality over the normal death-rate of that period during six weeks of the epidemic being 18 for six districts in which the ordinary mortality of females was low, and 34 for six others in which it was high. In the absence of a system of dealing with transferable deaths districts containing hospitals or the workhouses of other districts were excluded from the comparison.



In repeating this comparison for the recent epidemic it has to be remembered that the rates shown for the different metropolitan boroughs are crude rates, and that standardization, could it be applied to them, would affect those of some areas in greater degree, or in a different way, from those of others. The concentration upon the first half of life was so great that the crude mortalities of the younger populations should be reduced and those of the older populations increased. This consideration, however, applies generally to the study of the recent epidemic in London or elsewhere, and in default of knowledge of the sex and age composition of the populations compared we have to content ourselves with the indications derivable from the crude rates.

As any assessment of the healthiness of the various boroughs based upon their recent death-rates would necessarily be affected by the changes in their populations brought about by the war, loss of a relatively large proportion of persons aged 15-45 tending to raise the crude death-rates which are alone to be had for the years of war, it seemed preferable to assess the general healthiness of the conditions of life in the boroughs compared by means of their standardized pre-war death-rates (1911-14). These conditions cannot have altered much during the war, however changes in the composition of the populations compared may have affected their death-rates. Table XIII accordingly arranges the twenty-nine boroughs in order of standardized mortality for 1911-14, from Lewisham, with a rate of 10·8 per 1,000, to Shoreditch, with one of 19·7. (It is interesting to notice that the report for 1847 notes Lewisham as "one of the healthiest districts in London," and selects it for special contrast with St. George's-in-the-East as representative of the unhealthiest.) It also groups the boroughs into four categories with standardized rates of under 13, under 14, under 16, and over 16 per thousand respectively.

It will be seen that no such contrast as that noted by Dr. Farr is brought out by this table. For the 46 weeks of the whole epidemic the influenza mortality (in this case mortality attributed to influenza, and not, as in 1847, excess over average of mortality from all causes, assumed to be due to influenza) of the healthiest compares with that of the unhealthiest group of boroughs as 4·3 : 5·1 in contrast with the comparison of 18 : 34 (in six weeks) between the healthy and unhealthy districts of 1847. Whereas in that year the excess mortality ranged from 10 per 1,000 in Lewisham to 44 in St. George-in-the-East, in 1918-19 the lowest mortality was 3·4 and the highest 6·2. The former was returned by Kensington, which is not included in the healthiest group, and the latter by St. Pancras,

TABLE XIII.—LONDON, 1918-19.—INFLUENZA MORTALITY in METROPOLITAN BOROUGHs arranged in order of general healthiness as measured by standardized death-rate during 1911-14.

| Metropolitan Boroughs. | Standardized death-rate, 1911-14. | Deaths from Influenza.         |                                |                              |                           | Annual Rate of Mortality from Influenza per 1,000 Population. |                                |                              |                           |
|------------------------|-----------------------------------|--------------------------------|--------------------------------|------------------------------|---------------------------|---|--------------------------------|------------------------------|---------------------------|
|                        |                                   | June 23 to Sept. 14 (12 wks.). | Sept. 15 to Jan. 25 (19 wks.). | Jan. 26 to May 10 (15 wks.). | Total Epidemic (46 wks.). | June 23 to Sept. 14 (12 wks.).                                | Sept. 15 to Jan. 25 (19 wks.). | Jan. 26 to May 10 (15 wks.). | Total Epidemic (46 wks.). |
| Lewisham ...           | 10·8                              | 18                             | 411                            | 124                          | 553                       | 0·5   | 7·4                            | 2·8                          | 4·1                       |
| Hampstead ...          | 11·1                              | 8                              | 153                            | 83                           | 244                       | 0·5   | 5·8                            | 4·0                          | 3·9                       |
| Wandsworth ...         | 11·2                              | 51                             | 812                            | 284                          | 1,147                     | 0·8   | 7·6                            | 3·4                          | 4·4                       |
| Stoke Newington ...    | 12·5                              | 11                             | 114                            | 44                           | 169                       | 1·1   | 7·1                            | 3·5                          | 4·3                       |
| Total ...              | —                                 | 88                             | 1,490                          | 535                          | 2,113                     | 0·7   | 7·3                            | 3·3                          | 4·3                       |
| Paddington ...         | 13·2                              | 24                             | 338                            | 145                          | 507                       | 0·9   | 7·9                            | 4·3                          | 4·9                       |
| Woolwich ...           | 13·2                              | 27                             | 438                            | 115                          | 580                       | 0·9   | 8·9                            | 3·0                          | 4·9                       |
| Westminster ...        | 13·5                              | 32                             | 361                            | 191                          | 584                       | 1·1   | 7·8                            | 5·3                          | 5·2                       |
| Camberwell ...         | 13·6                              | 68                             | 786                            | 198                          | 1,052                     | 1·3   | 9·2                            | 2·9                          | 5·1                       |
| Kensington ...         | 13·6                              | 26                             | 311                            | 132                          | 469                       | 0·7   | 5·5                            | 3·0                          | 3·4                       |
| Battersea ...          | 13·7                              | 39                             | 571                            | 156                          | 766                       | 1·1   | 10·4                           | 3·6                          | 5·8                       |
| Hackney ...            | 13·7                              | 53                             | 671                            | 147                          | 871                       | 1·2   | 9·4                            | 2·6                          | 5·0                       |
| Chelsea ...            | 13·9                              | 11                             | 206                            | 86                           | 303                       | 0·8   | 10·0                           | 5·3                          | 6·1                       |
| Fulham ...             | 13·9                              | 43                             | 454                            | 121                          | 618                       | 1·3   | 8·7                            | 2·9                          | 4·9                       |
| Greenwich ...          | 13·9                              | 36                             | 318                            | 72                           | 426                       | 1·7   | 9·7                            | 2·8                          | 5·4                       |
| Total ...              | —                                 | 359                            | 4,454                          | 1,363                        | 6,176                     | 1·1   | 8·7                            | 3·4                          | 5·0                       |
| Hammersmith ...        | 14·1                              | 19                             | 276                            | 100                          | 395                       | 0·7   | 6·5                            | 3·0                          | 3·9                       |
| Lambeth ...            | 14·2                              | 72                             | 770                            | 253                          | 1,095                     | 1·2   | 8·1                            | 3·4                          | 4·7                       |
| Islington ...          | 14·6                              | 70                             | 863                            | 318                          | 1,251                     | 1·1   | 8·3                            | 3·9                          | 5·0                       |
| Deptford ...           | 14·7                              | 19                             | 341                            | 69                           | 429                       | 0·8   | 9·2                            | 2·4                          | 4·8                       |
| St. Marylebone ...     | 14·8                              | 24                             | 277                            | 110                          | 411                       | 1·1   | 7·7                            | 3·9                          | 4·7                       |
| City of London ...     | 15·1                              | 3                              | 40                             | 10                           | 53                        | 0·8   | 6·9                            | 2·2                          | 3·8                       |
| St. Pancras ...        | 15·4                              | 59                             | 669                            | 233                          | 961                       | 1·5   | 10·4                           | 4·6                          | 6·2                       |
| Holborn ...            | 15·8                              | 8                              | 129                            | 45                           | 182                       | 0·9   | 9·6                            | 4·3                          | 5·6                       |
| Total ...              | —                                 | 274                            | 3,365                          | 1,138                        | 4,777                     | 1·1   | 8·4                            | 3·6                          | 5·0                       |
| Stepney ...            | 16·8                              | 72                             | 669                            | 160                          | 901                       | 1·4   | 7·9                            | 2·4                          | 4·4                       |
| Bethnal Green ...      | 16·9                              | 42                             | 379                            | 80                           | 501                       | 1·8   | 10·1                           | 2·7                          | 5·5                       |
| Poplar ...             | 17·1                              | 35                             | 504                            | 122                          | 661                       | 1·1   | 9·9                            | 3·0                          | 5·4                       |
| Bermondsey ...         | 17·8                              | 31                             | 404                            | 98                           | 533                       | 1·2   | 10·2                           | 3·1                          | 5·6                       |
| Southwark ...          | 17·9                              | 51                             | 544                            | 136                          | 731                       | 1·4   | 9·2                            | 2·9                          | 5·1                       |
| Finsbury ...           | 18·9                              | 23                             | 243                            | 54                           | 320                       | 1·5   | 10·0                           | 2·8                          | 5·5                       |
| Shoreditch ...         | 19·7                              | 22                             | 278                            | 100                          | 400                       | 1·1   | 8·7                            | 4·0                          | 5·2                       |
| Total ...              | —                                 | 276                            | 3,021                          | 750                          | 4,047                     | 1·3   | 9·2                            | 2·9                          | 5·1                       |



which is not included in the unhealthiest. In fact, the average standardized rates for these two boroughs differ only as 13·6 and 15·4. There is no evidence, then, in this table, of any such differentiation of mortality in favour of healthy areas as was found to have occurred in 1847. The mortality of the late epidemic fell almost alike on the sanitariously just and on the unjust. This result may be compared with the light escape of Liverpool (page 19) and the heavy mortality sustained by some residential towns, *e.g.*, Cheltenham, Oxford. The formal comparison has not been extended beyond the County of London, but a general impression derived from the lists of provincial mortalities is that they would compare, allowing for the increase of mortality from south to north, in much the same way as those of the London boroughs, *i.e.*, that the healthy areas would be found to have some, but by no means an overwhelming, advantage.

Coming now to the mortality experienced in each separate wave, we find that the healthiest boroughs escaped especially lightly in the first, and the unhealthiest in the third, wave. The fact that the latter had suffered the highest mortality of the four classes in the first wave did not protect them from also suffering the highest in the second, but the light escape of six out of the seven in the third wave is very noticeable.

The fact that the lowest rate for the whole epidemic was that of Kensington and that the mortality in Hampstead was also low naturally suggested that influenza mortality might be found more closely correlated with wealth than with health. Hampstead and Kensington are the two wealthiest boroughs in London if the test of wealth used in Table XIV—proportion of indoor domestic servants to population in 1911—be accepted.

TABLE XIV.—LONDON, 1918-19.—INFLUENZA MORTALITY in METROPOLITAN BOROUGHs arranged in order of Wealth, as indicated by proportion of Domestic Indoor Servants (excluding those in Hotels) to Population in 1911.

| Metropolitan Boroughs. | Domestic Servants per cent. of Population. | Deaths from Influenza.          |                                 |                               |                            | Annual Rate of Mortality from Influenza per 1,000 Population. |                                 |                               |                            |
|------------------------|--|---------------------------------|---------------------------------|-------------------------------|----------------------------|---|---------------------------------|-------------------------------|----------------------------|
|                        |  | June 23 to Sept. 14 (12 weeks). | Sept. 15 to Jan. 25 (19 weeks). | Jan. 26 to May 10 (15 weeks). | Total Epidemic (46 weeks). | June 23 to Sept. 14 (12 weeks).                               | Sept. 15 to Jan. 25 (19 weeks). | Jan. 26 to May 10 (15 weeks). | Total Epidemic (46 weeks). |
| Hampstead ... ..       | 16·06                                      | 8                               | 153                             | 83                            | 244                        | 0·5   | 5·8                             | 4·0                           | 3·9                        |
| Kensington ... ..      | 15·74                                      | 26                              | 311                             | 132                           | 469                        | 0·7   | 5·5                             | 3·0                           | 3·4                        |
| Chelsea ... ..         | 13·07                                      | 11                              | 206                             | 86                            | 303                        | 0·8   | 10·0                            | 5·3                           | 6·1                        |
| Westminster ... ..     | 12·24                                      | 32                              | 361                             | 191                           | 584                        | 1·1   | 7·8                             | 5·3                           | 5·2                        |
| St. Marylebone ... ..  | 11·64                                      | 24                              | 277                             | 110                           | 411                        | 1·1   | 7·7                             | 3·9                           | 4·7                        |
| Paddington ... ..      | 9·70                                       | 24                              | 338                             | 145                           | 507                        | 0·9   | 7·9                             | 4·3                           | 4·9                        |
| Total ... ..           | —  | 125                             | 1,646                           | 747                           | 2,518                      | 0·9   | 7·2                             | 4·2                           | 4·6                        |
| City of London ... ..  | 5·83                                       | 3                               | 40                              | 10                            | 53                         | 0·8   | 6·9                             | 2·2                           | 3·8                        |
| Lewisham ... ..        | 5·65                                       | 18                              | 411                             | 124                           | 553                        | 0·5   | 7·4                             | 2·8                           | 4·1                        |
| Wandsworth ... ..      | 5·55                                       | 51                              | 812                             | 284                           | 1,147                      | 0·8   | 7·6                             | 3·4                           | 4·4                        |
| Stoke Newington ... .. | 4·95                                       | 11                              | 114                             | 44                            | 169                        | 1·1   | 7·1                             | 3·5                           | 4·3                        |
| Holborn ... ..         | 4·15                                       | 8                               | 129                             | 45                            | 182                        | 0·9   | 9·6                             | 4·3                           | 5·6                        |
| Greenwich ... ..       | 4·04                                       | 36                              | 318                             | 72                            | 426                        | 1·7   | 9·7                             | 2·8                           | 5·4                        |
| Total ... ..           | —  | 127                             | 1,824                           | 579                           | 2,530                      | 0·9   | 7·9                             | 3·2                           | 4·5                        |
| Fulham ... ..          | 3·29                                       | 43                              | 454                             | 121                           | 618                        | 1·3   | 8·7                             | 2·9                           | 4·9                        |
| Hammersmith ... ..     | 3·14                                       | 19                              | 276                             | 100                           | 395                        | 0·7   | 6·5                             | 3·0                           | 3·9                        |
| Lambeth ... ..         | 3·08                                       | 72                              | 770                             | 253                           | 1,095                      | 1·2   | 8·1                             | 3·4                           | 4·7                        |
| St. Pancras ... ..     | 2·97                                       | 59                              | 669                             | 233                           | 961                        | 1·5   | 10·4                            | 4·6                           | 6·2                        |
| Hackney ... ..         | 2·91                                       | 53                              | 671                             | 147                           | 871                        | 1·2   | 9·4                             | 2·6                           | 5·0                        |
| Woolwich ... ..        | 2·76                                       | 27                              | 438                             | 115                           | 580                        | 0·9   | 8·9                             | 3·0                           | 4·9                        |
| Camberwell ... ..      | 2·63                                       | 68                              | 786                             | 198                           | 1,052                      | 1·3   | 9·2                             | 2·9                           | 5·1                        |
| Deptford ... ..        | 2·61                                       | 19                              | 341                             | 69                            | 429                        | 0·8   | 9·2                             | 2·4                           | 4·8                        |
| Battersea ... ..       | 2·50                                       | 39                              | 571                             | 156                           | 766                        | 1·1   | 10·4                            | 3·6                           | 5·8                        |
| Islington ... ..       | 2·44                                       | 70                              | 863                             | 318                           | 1,251                      | 1·1   | 8·3                             | 3·9                           | 5·0                        |
| Total ... ..           | —  | 469                             | 5,839                           | 1,710                         | 8,018                      | 1·1   | 8·9                             | 3·3                           | 5·1                        |
| Stepney ... ..         | 1·30                                       | 72                              | 669                             | 160                           | 901                        | 1·4   | 7·9                             | 2·4                           | 4·4                        |
| Finsbury ... ..        | 1·21                                       | 23                              | 243                             | 54                            | 320                        | 1·5   | 10·0                            | 2·8                           | 5·5                        |
| Southwark ... ..       | 1·19                                       | 51                              | 544                             | 136                           | 731                        | 1·4   | 9·2                             | 2·9                           | 5·1                        |
| Poplar ... ..          | 1·16                                       | 35                              | 504                             | 122                           | 661                        | 1·1   | 9·9                             | 3·0                           | 5·4                        |
| Bermondsey ... ..      | 0·94                                       | 31                              | 404                             | 98                            | 533                        | 1·2   | 10·2                            | 3·1                           | 5·6                        |
| Shoreditch ... ..      | 0·87                                       | 22                              | 278                             | 100                           | 400                        | 1·1   | 8·7                             | 4·0                           | 5·2                        |
| Bethnal Green ... ..   | 0·75                                       | 42                              | 379                             | 80                            | 501                        | 1·8   | 10·1                            | 2·7                           | 5·5                        |
| Total ... ..           | —  | 276                             | 3,021                           | 750                           | 4,047                      | 1·3   | 9·2                             | 2·9                           | 5·1                        |

It will be seen that this table shows even less correlation of influenza mortality with wealth than Table XIII with health. Of course, health and wealth are themselves closely correlated, so the order of the boroughs is much the same in both tables. If the two wealthiest boroughs returned particularly low mortalities, the third wealthiest, Chelsea, returned the highest rate of all except St. Pancras, which itself is by no means one of the poorest boroughs. Also the second group, consisting chiefly of middle-class suburbs, had a slightly more favourable experience than the wealthier but on the whole more central first group. As in the case of Table XIII, the experience of the wealthiest areas in the first wave was exceptionally favourable, but it was unfavourable to a much greater extent than that of the



healthiest group in the third wave. On the whole, wealth, in London at least, seems to have had but little effect upon mortality. In fact, it may quite reasonably be argued that such differences in mortality as are shown between the groups, as arranged either by wealth or by health, are less than might be accounted for, granted equal severity of infection, by better medical care, nursing, and conditions generally in the healthier and wealthier areas. Greater resistant power on the part of the healthier populations might be added to the foregoing considerations but for the frequency with which the disease was observed to select its victims from amongst the healthiest members of the community.

A second observation of Dr. Farr's in 1847 was that "influenza attacked persons labouring under other zymotic diseases." Whooping cough, measles and "typhus" are especially mentioned. There is no evidence of any such association in the case of the recent epidemic. The numbers of deaths from influenza recorded as associated with the most important of the other zymotic diseases from October 1st, 1918, to May 10th, 1919, were as follows:—Enteric fever 15, measles 17, scarlet fever 20, whooping cough 163, diphtheria 31 (pages 101 and 103). All these numbers are, of course, quite inconsiderable in comparison with the total numbers of deaths from any of the diseases in question during a period of over seven months. The deaths from whooping cough appear numerous only by contrast with those from the other diseases quoted. Compared with the total deaths from whooping cough, they clearly show that the mortality even from this disease can have been increased only to a minute extent, if at all, by the epidemic.

The weekly records of the notified cases of infectious disease exhibit no increases corresponding with those of influenza mortality, but this is perhaps hardly to be expected, as it was presumably the fatality rather than the frequency of such cases which was adversely influenced in 1847. But the weekly numbers of deaths themselves are recorded in the Weekly Return for each of the 96 great towns, and this population as a whole, comprising, as it does, approximately one-half of the inhabitants of the whole country, fails to exhibit any rise in the mortality from other infectious diseases corresponding with that from influenza. Here, again, as in other respects, it may be seen that the influenza of 1918-19 has behaved very differently from that of some at least of the earlier visitations.

*Secondary Causes of Death.*—The various pathological conditions recorded as complicating deaths from influenza throughout the whole epidemic period (June 23, 1918 to May 10, 1919) are shown, with the sex and age of the decedents, in Tables XXI—XXIV, on pages 81-103. and in the lists of the less commonly certified combinations of causes of death which immediately succeed and complete them. These tables and lists record the actual way in which every influenza death was certified. Thus the main table, XXI, shows, in its first lines, that 6,558 deaths of civilian males and 8,173 deaths of females were ascribed simply to "influenza," without any qualification or secondary cause; that 10 deaths were attributed to "cerebral" and 69 to "gastric" influenza, without secondary cause; that 18 were attributed to influenza and croup, 11 to influenza and pyæmia, 121 to influenza and septicæmia, and 14 to influenza, septicæmia, and broncho-pneumonia, etc., etc. Each double line in the table, in fact, represents in its entirety one form of certificate actually met with, except that, for the sake of compactness, the word influenza itself is omitted.

All the commoner combinations of complicating causes with influenza are set out in the table, which deals with 136,330 deaths. The remaining 4,659 deaths were certified in less frequently recurring ways. Thus there was only one death attributed to "cerebro spinal influenza" (without mention of any secondary cause) and one to "influenza, croup, laryngismus stridulus." As these numerous but rarely recurring forms of certificate could not conveniently be presented in the table they are given in the list appended to it, which shows, like the table, the sex and age of each person referred to. Age is indicated by the figures printed after the form of certificate, and sex by the type in which these figures are printed, italics being used to distinguish females. Under five years of age the number of completed years of life is shown—0, 1, 2, 3, or 4. From 5 to 85 the lower limit of the quinquennium of age at which death took place is indicated by the figure. All deaths at ages over 85 are grouped together and distinguished as in other cases by the lower age limit of the group. Thus 20 indicates a male of 20-25, 55 a female of 55-60, and so on. Owing to the great frequency with which the names of a few familiar diseases recur in the numerous combinations (amounting in table and list combined, to about 1,600) it has been necessary to abbreviate them, pneu. standing for pneumonia, bronch. for bronchitis, br.-pneu. for broncho-pneumonia, and so forth. Less obvious contractions are only used where a term occurs in several successive combinations, and has been printed in full in the first instance. Except for these contractions the actual form of certificate is departed from in one respect only—the order in which the complicating causes are stated. In order to make the task undertaken practicable it is necessary to adhere to a uniform order of statement of the complicating causes. Otherwise a combination of two complicating causes might have to be stated twice, one of three complications six times, and so forth—always assuming influenza itself to be stated first, as is usually the case. The rule followed is to state the causes in their "International List" order. Thus septicæmia, bronch., empyema 30 (page 87) indicates the death of a male aged 30-35 from influenza complicated by septicæmia, bronchitis, and empyema, but does not imply that these causes were named in that order. If, therefore, it is desired to ascertain from the table and list whether, or how often, any particular combination of complicating causes of death was certified, it must be looked for in the position in table and list respectively appropriate to that one of the combination of causes which comes first in the order of the International List—in this case septicæmia (20).

There are four tables—XXI-XXIV—and corresponding lists. Of these, XXI includes all deaths of civilians allocated to influenza, XXII, all deaths of non-civilians allocated to influenza, XXIII, deaths of civilians allocated to other causes but complicated by influenza, and XXIV, deaths of non-civilians similar to the deaths of civilians in XXIII. XXI and XXII cover the whole epidemic from June 23rd to May 10th, but XXIII and XXIV exclude deaths registered before October 1st (*see* page 32). In Tables XXIII and XXIV the cause to which the death has been allocated in primary tabulation has been stated first, and so governs the arrangement of the tables and their accompanying lists. But the practice of stating secondary causes in their International List order has been uniformly adhered to, influenza being understood to form one of these causes in all cases.

Naturally the labour of so arranging the material has been considerable, and the space occupied by its presentation is also considerable. It is, moreover, probable that the frequency of occurrence



of individual complications is of much more general interest than that of the combinations of these complications as actually certified. It may perhaps be held for these reasons that it would have sufficed to tabulate the frequency of the complicating causes individually, as is done on pages 104-115, without taking their combinations into account. On the other hand, to have done so would have meant stopping short of the fullest practicable exposition of the certification of this epidemic. It is hard to say what information in connexion with it may or may not be of interest to our successors, whether, for instance, certain combinations of secondary causes may not acquire an interest for them which they do not at present possess for us; so it has been thought worth while on the whole to provide the full statement even though its practical utility at the present time may not be great. We know how much interest would attach now to a corresponding statement of the views professionally held at the time as to the fatal cases in earlier epidemics of this and other diseases. Such a statement must help to define the nature of the epidemic, and the mere fact that the present generation has agreed to ascribe it to "influenza" may be as insufficient for our successors as the "typhus" or "continued fever" of our predecessors is for ourselves.

But, after putting on record Tables XXI-XXIV and their accompanying lists, it must be admitted that less interest—at all events at the present time—attaches to them than to Tables XXV-XXVII on pages 104-115, which record the numbers of instances in which each individual complicating cause of death was returned, whether it was mentioned alone or in combination with any other. These tables show, for instance, that "pneumonia" (without further definition) was returned as a complication of 64,126 deaths from influenza. We find on pages 85 and 99 that 59,060 deaths were certified as caused by "influenza and pneumonia," without mention of any other fact as to their causation, so it is evident that undefined pneumonia was returned in conjunction with some other complication of influenza (or with influenza not simply returned as such) in 5,066 instances.

Tables XXI-XXIV correspond to those marked A in the scheme of classification of secondary causes of death initiated in the reports for 1911-14, but interrupted by the war, and Tables XXV-XXVII with those marked B under the same scheme. The former imply, but the latter do not, that every death referred to was certified in the precise terms of the heading under which it appears in the table. "Inflammation of the lungs," for instance, is classified to pneumonia in Tables XXV-XXVII, whereas in Tables XXI-XXIV deaths so certified are shown separately. All the secondary causes dealt with in Tables XXV-XXVII in fact, are allocated to the various headings of the International List under the rules which govern the ordinary yearly presentation of primary causes, the only difference being that some of the more important titles of the International List are sub-divided in these tables to a greater extent than in the annual mortality reports. Tables XXV-XXVII accordingly summarise Tables XXI-XXIV and their accompanying lists in two ways, by assembling under a single heading all the returns of each secondary cause from the various combinations of causes in which they are included under the more complete scheme of presentation, and by grouping allied or synonymous causes under the titles to which the International List assigns them.

The fact that the titles in Tables XXV-XXVII, as a rule, include all causes so assigned under the international scheme is indicated by prefacing each title of the International List by its number in that list. Where a title in these tables does not correspond to a complete International List title, the fact is indicated by omission of the list number (*e.g.*, toxæmia, which is classed internationally to "55, Other general diseases").

The three tables, XXV-XXVII refer, as indicated by their headings, to the three waves of the epidemic, and so provide a record of the special characteristics of each. Each table is complete for its own period, including non-civilian deaths, and, in the cases of XXVI and XXVII, deaths allocated to causes other than influenza.

The total numbers of deaths allocated to influenza in each of the three periods dealt with by Tables XXV-XXVII are shown, with distinction of sex and age, in Table XV, which also shows the total numbers of deaths allocated to other causes but complicated by influenza in the second and third of these periods. The periods practically represent the three waves of the epidemic, though, as a matter of convenience, the dividing lines have been drawn at the ends of the third and fourth quarters.

No attempt can be made to survey any but a few of the most important complications. These are specially examined in Tables XVI and XVII.

These tables are derived from Tables XXV-XXVII, and like them, refer, from October 1 onwards, to all deaths to which influenza was recorded as contributing, whether the death has been assigned to influenza or not. They show the frequency of each complication dealt with per 1,000 total deaths in Table XV of the same sex, age, and period. The small proportion of cases—about 10 per cent.—in which influenza alone is returned as the cause of death may be noted.

There seems to be no significant difference between the sexes in regard to the frequency with which secondary causes are stated. Their proportion to deaths at all ages is very slightly greater for females in the first wave and for males in the second. In the third wave, where the difference is greatest, there is an excess for females only of 977 per 1,000 deaths at all ages as against 970 for males. The total range of frequency is very small—from 962 (males in the first wave) to 987 (males in the second wave) per 1,000 deaths. If the frequency of statement for each sex is compared age by age the higher frequencies are shared as follows:—

|         | First wave. | Second wave. | Third wave. |
|---------|-------------|--------------|-------------|
| Males   | 11          | 10           | 5           |
| Females | 7           | 8            | 13          |

Variation with age, on the other hand, is very definite. Certification is most elaborate in early adult life, when the number of secondary causes returned as a rule exceeds the total number of deaths. It is a little less elaborate in childhood, and after about forty the proportion of secondary causes certified decreases with advancing age until in extreme old age their number is only 44-64 per cent. of that of the deaths,



TABLE XV.—ENGLAND AND WALES.—DEATHS FROM OR ASSOCIATED WITH INFLUENZA.

| Period.                        | Primary Classification. | Sex. | All Ages. | 0—     | 5—    | 10—   | 15—   | 20—   | 25—    | 30—    | 35—   | 40—   | 45—   | 50—   | 55—   | 60—   | 65—   | 70—   | 75—   | 80— | 85— |
|--------------------------------|-------------------------|------|-----------|--------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|
| 23 June—<br>30 Sept.,<br>1918. | Influenza* ...          | M    | 5,934     | 412    | 259   | 243   | 498   | 432   | 595    | 585    | 412   | 400   | 437   | 414   | 292   | 311   | 278   | 197   | 107   | 48  | 14  |
|                                |                         | F    | 5,508     | 363    | 277   | 266   | 466   | 544   | 672    | 534    | 401   | 341   | 313   | 268   | 230   | 229   | 189   | 180   | 118   | 83  | 34  |
|                                |                         | P    | 11,442    | 775    | 536   | 509   | 964   | 976   | 1,267  | 1,119  | 813   | 741   | 750   | 682   | 522   | 540   | 467   | 377   | 225   | 131 | 48  |
| 4th<br>Quarter,<br>1918.       | Influenza ...           | M    | 46,576    | 6,477  | 2,691 | 1,712 | 3,584 | 3,883 | 6,205  | 5,911  | 3,583 | 2,692 | 2,371 | 1,953 | 1,386 | 1,311 | 1,256 | 846   | 475   | 163 | 77  |
|                                |                         | F    | 51,704    | 6,511  | 3,115 | 2,342 | 3,732 | 5,949 | 7,724  | 6,251  | 3,643 | 2,450 | 2,197 | 1,990 | 1,422 | 1,312 | 1,427 | 1,028 | 600   | 266 | 145 |
|                                |                         | P    | 98,280    | 12,988 | 5,806 | 4,054 | 7,316 | 9,432 | 13,929 | 12,162 | 7,226 | 5,142 | 4,568 | 3,943 | 2,808 | 2,623 | 2,683 | 1,874 | 1,075 | 429 | 222 |
|                                | Other causes...         | M    | 1,185     | 92     | 39    | 52    | 102   | 138   | 208    | 165    | 112   | 85    | 69    | 49    | 24    | 28    | 14    | 6     | 1     | 1   | —   |
|                                |                         | F    | 972       | 101    | 41    | 66    | 89    | 143   | 155    | 108    | 77    | 57    | 36    | 33    | 29    | 18    | 12    | 3     | 1     | 3   | —   |
|                                |                         | P    | 2,157     | 193    | 80    | 118   | 191   | 281   | 363    | 273    | 189   | 142   | 105   | 82    | 53    | 46    | 26    | 9     | 2     | 4   | —   |
|                                | Total                   | M    | 47,761    | 6,569  | 2,730 | 1,764 | 3,686 | 4,021 | 6,413  | 6,076  | 3,695 | 2,777 | 2,440 | 2,002 | 1,410 | 1,339 | 1,270 | 852   | 476   | 164 | 77  |
|                                |                         | F    | 52,676    | 6,612  | 3,156 | 2,408 | 3,821 | 5,992 | 7,879  | 6,359  | 3,720 | 2,507 | 2,233 | 2,023 | 1,451 | 1,330 | 1,439 | 1,031 | 601   | 269 | 145 |
|                                |                         | P    | 100,437   | 13,181 | 5,886 | 4,172 | 7,507 | 9,713 | 14,292 | 12,435 | 7,415 | 5,284 | 4,673 | 4,025 | 2,861 | 2,669 | 2,709 | 1,883 | 1,077 | 433 | 222 |
| 1 Jan.—<br>10 May,<br>1919.    | Influenza ...           | M    | 21,440    | 2,680  | 637   | 418   | 1,078 | 1,474 | 2,446  | 2,352  | 1,566 | 1,352 | 1,352 | 1,218 | 1,108 | 1,091 | 1,076 | 798   | 492   | 198 | 104 |
|                                |                         | F    | 20,284    | 2,171  | 705   | 469   | 996   | 1,564 | 2,420  | 2,071  | 1,318 | 987   | 1,046 | 1,182 | 968   | 1,025 | 1,115 | 916   | 706   | 372 | 213 |
|                                |                         | P    | 41,724    | 4,851  | 1,342 | 887   | 2,074 | 3,038 | 4,906  | 4,423  | 2,884 | 2,339 | 2,398 | 2,400 | 2,076 | 2,116 | 2,191 | 1,714 | 1,198 | 570 | 317 |
|                                | Other causes...         | M    | 444       | 26     | 13    | 11    | 23    | 38    | 60     | 72     | 49    | 43    | 29    | 23    | 27    | 11    | 15    | 3     | —     | 1   | —   |
|                                |                         | F    | 409       | 42     | 15    | 13    | 37    | 46    | 63     | 43     | 35    | 33    | 14    | 15    | 12    | 14    | 15    | 6     | 3     | 3   | —   |
|                                |                         | P    | 853       | 68     | 28    | 24    | 60    | 84    | 123    | 115    | 84    | 76    | 43    | 38    | 39    | 25    | 30    | 9     | 3     | 4   | —   |
|                                | Total                   | M    | 21,884    | 2,706  | 650   | 429   | 1,101 | 1,512 | 2,506  | 2,424  | 1,615 | 1,395 | 1,381 | 1,241 | 1,135 | 1,102 | 1,091 | 801   | 492   | 199 | 104 |
|                                |                         | F    | 20,693    | 2,213  | 720   | 482   | 1,033 | 1,610 | 2,523  | 2,114  | 1,353 | 1,020 | 1,060 | 1,197 | 980   | 1,039 | 1,130 | 922   | 709   | 375 | 213 |
|                                |                         | P    | 42,577    | 4,919  | 1,370 | 911   | 2,134 | 3,122 | 5,029  | 4,538  | 2,968 | 2,415 | 2,441 | 2,438 | 2,115 | 2,141 | 2,221 | 1,723 | 1,201 | 571 | 317 |

\* Deaths allocated to other causes to which influenza contributed have not been tabulated for this period.



Turning now to the separate causes tabulated it must be noted in the first place that the figures for tuberculosis in the first period are without significance, on account of the exclusion from the total for that period of deaths complicated by influenza but allocated to other causes. Tuberculosis and influenza are assigned equal weight in our rules for the selection of the primary cause of death for tabulation purposes (Manual, page xxxiv) but as a matter of fact tuberculosis, as the disease of longer standing, nearly always receives preference. The great bulk of the cases where the two causes were combined is therefore excluded from a table referring only to deaths allocated to influenza, and accordingly we find tuberculosis shown as a complication in only 3 per thousand of the deaths of the first period though afterwards its frequency is about 18 per thousand. No other important complicating cause is seriously affected in this way. The disease was more frequently certified for males than for females in both the second and third waves, and in both of them the maximum frequency of certification occurred somewhat later in life for males than for females. This conforms with the normally later maximum of mortality amongst males.

Meningitis was certified most frequently in the first wave and least so in the second, *i.e.*, in the inverse order to that of the magnitude of the waves. The maximum frequency was at 5-10 in all cases except that of males in the third wave, where it was at 10-15. It was more frequently returned for males than for females in the first two waves, but in the third there was little difference between the sexes.

Heart disease, like meningitis, was certified in inverse proportion to the magnitude of the waves of mortality. In the first wave 6·7 per cent. of the deaths of males and 8·1 per cent. of those of females were attributed to heart disease in conjunction with influenza, but in the second wave these proportions sank to 2·4 and 3·2 per cent. respectively, rising in the third to 3·1 and 4·5. It will be observed that the proportion was appreciably higher for females than for males in each case. No other cause amongst those distinguished in these tables varied so much in frequency as did heart disease between the first and second waves. The reduction was general, applying to all ages in the female sex and nearly all in the male; but it was especially marked in both at 20-35, when this complication was recorded in the first wave as frequently as at any other part of life. This distribution is entirely different from that of organic heart disease as a primary cause of death, which is highly concentrated upon later life, as was to a slight extent the case with heart disease as a complication in the second wave. That complicating deaths during the third wave shows further progress towards its normal age distribution as a primary cause by increased concentration upon the second half of life.

The frequency of bronchitis as a complication did not vary greatly throughout the epidemic, but it was definitely less in the second wave than in the first and third. Doubtless this was largely because the mortality of the second wave was more concentrated than that of the other two upon early adult life, when fatal bronchitis is rare. Age for age the proportions returned in each wave are on the whole not very different, increasing rapidly from about 30 to a maximum at 65 or later, mortality at these higher ages being higher in the second wave than the first. Here again a difference may be noted from the behaviour of the disease as a primary cause of death, for bronchitis is returned as such with rapidly increasing frequency up to extreme old age, and causes a larger proportion of the total deaths occurring at 75-85 than at any other period of life. No doubt it is generally felt that the deaths of the aged require less explanation than those of younger people, and the somewhat earlier maximum in Tables XVI and XVII is merely a particular instance of the manner in which the elaboration of certification in general declines in old age. At the other extreme of life, 0-5, the proportion of deaths returned as complicated by bronchitis was definitely higher for both sexes in the third wave than in the first or second. This may be the result of winter weather conditions, but on the other hand it will be seen that at all ages from 10 to 60 the proportions run higher for males during the summer outbreak than in either of its successors.

The frequency with which broncho-pneumonia was returned as a complication increased in each sex with the progress of the epidemic, being much greater in the second wave than the first, and somewhat greater in the third than in the second. Its record in this respect is very different both from that of bronchitis and of other forms of pneumonia. This increasing frequency was well maintained throughout life except that the disease was rather more frequently returned as complicating the deaths of female (but not of male) children in the second wave than in the third.

The frequency distribution of lobar differs entirely from that of broncho-pneumonia, being in all cases low in infancy, rising rapidly to a high level, maintained from about 15 to 40, and thereafter declining steadily to a level approaching zero in old age. Its frequency at all ages, as at almost every age period, declined with the progress of the epidemic, the proportion of certificates noting this complication being 11·7 per cent for males and 10·3 for females in the first wave, but only 6·3 and 5·6 respectively in the third. This change has probably no further significance than an increasing tendency as the epidemic progressed to certify such cases merely as "pneumonia". Like other respiratory complications this disease was noted with almost equal frequency in each sex.

"Pneumonia" (undefined) shows practically the same frequency distribution by age as lobar pneumonia. This resemblance, and the contrast with broncho-pneumonia, are so strong as to make it fairly plain that the two forms of certification mean much the same thing. This fact furnishes the evidence that the decline in frequency of lobar pneumonia so certified is significant merely of decreasing specificity of certification; for undefined pneumonia occurs more frequently in the returns relating to the third than in those relating to the first wave at practically all ages in both sexes, this excess largely representing transfer of deaths as time went on from "lobar" to undefined. If the two are considered jointly, the frequency of "lobar or undefined" pneumonia appears to have been much the same at most adult ages in the first and third waves, though it was greater during childhood in the third. It was considerably greater in the second wave than in either of the other two, except in later life. The evidence yielded by the tables of the preponderant share taken by this complication in causing the mortality of the epidemic is very strong. It was most frequently recorded in that wave and at those ages at which mortality was greatest, being noted in the case of just over two-thirds of all deaths at 25-30 in the second wave.

The other respiratory complications are of little numerical importance compared with pneumonia and bronchitis. The fact that they were recorded much more frequently in the first wave than afterwards may perhaps be regarded merely as further evidence of the greater elaboration of certification before the rush of the second wave. This applies also to the line "other contributory causes," which in early childhood, when they were most frequent, consisted largely of convulsions. In both cases the frequency of such returns in each wave varies inversely with the mortality.



TABLE XVI.—ENGLAND AND WALES.—DEATHS FROM OR ASSOCIATED WITH INFLUENZA.

Frequency of the chief Contributory Causes at various ages per thousand total Deaths at each Age.

MALES.

| Period.                        | Contributory Cause.        | All Ages. | 0—  | 5—  | 10— | 15—   | 20—   | 25—   | 30—   | 35—   | 40—   | 45— | 50— | 55— | 60— | 65— | 70— | 75— | 80— | 85— |
|--------------------------------|----------------------------|-----------|-----|-----|-----|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 23 June-<br>30 Sept.,<br>1918. | 28-35                      | 2         | 7   | —   | 8   | 4     | —     | 5     | 2     | 2     | —     | —   | 2   | —   | 3   | —   | —   | —   | —   | —   |
|                                | 61                         | 32°       | 114 | 127 | 70  | 36    | 23    | 25    | 24    | 17    | 18    | 14  | 14  | —   | 10  | —   | —   | —   | —   | —   |
|                                | 77-80                      | 67        | 2   | 8   | 41  | 68    | 90    | 77    | 92    | 73    | 53    | 64  | 80  | 65  | 103 | 86  | 61  | 37  | 125 | 71  |
|                                | 89, 90                     | 105       | 90  | 39  | 41  | 34    | 46    | 57    | 62    | 73    | 98    | 114 | 155 | 209 | 199 | 230 | 269 | 243 | 229 | 143 |
|                                | 91                         | 136       | 295 | 170 | 123 | 110   | 173   | 131   | 123   | 143   | 108   | 96  | 133 | 106 | 93  | 126 | 102 | 103 | 83  | 71  |
|                                | 92A                        | 117       | 12  | 58  | 119 | 167   | 180   | 183   | 185   | 131   | 118   | 98  | 118 | 92  | 80  | 29  | 51  | 56  | —   | —   |
|                                | 92B                        | 333       | 138 | 239 | 263 | 402   | 372   | 413   | 415   | 444   | 430   | 380 | 309 | 329 | 277 | 230 | 147 | 93  | 83  | 215 |
|                                | 86-88 }<br>93-98 }         | 52        | 19  | 42  | 37  | 52    | 55    | 49    | 53    | 46    | 75    | 57  | 53  | 65  | 80  | 79  | 41  | 19  | 21  | —   |
|                                | Other respiratory diseases | ...       | ... | ... | ... | ...   | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ... | ... | ... | ... | ... | ... |
|                                | Other causes               | 118       | 300 | 158 | 161 | 102   | 129   | 67    | 70    | 73    | 88    | 112 | 77  | 58  | 129 | 126 | 183 | 196 | 208 | 143 |
| 4th<br>Quarter,<br>1918.       | Total...                   | 962       | 977 | 841 | 863 | 975   | 1,068 | 1,007 | 1,026 | 1,002 | 988   | 935 | 941 | 934 | 974 | 913 | 854 | 747 | 749 | 643 |
|                                | No contributory cause      | 129       | 131 | 218 | 189 | 112   | 53    | 84    | 72    | 75    | 100   | 137 | 143 | 144 | 145 | 191 | 249 | 327 | 396 | 357 |
|                                | 28-35                      | 21        | 4   | 10  | 30  | 26    | 29    | 28    | 25    | 27    | 30    | 25  | 20  | 15  | 18  | 8   | 4   | 2   | —   | —   |
|                                | 61                         | 16        | 37  | 49  | 39  | 21    | 8     | 11    | 8     | 8     | 7     | 9   | 5   | 8   | 4   | 3   | —   | 2   | —   | —   |
|                                | 77-80                      | 24        | 3   | 11  | 20  | 22    | 25    | 24    | 22    | 31    | 26    | 30  | 32  | 42  | 49  | 50  | 47  | 40  | 24  | —   |
|                                | 89, 90                     | 72        | 74  | 38  | 33  | 26    | 28    | 28    | 33    | 47    | 77    | 99  | 138 | 187 | 223 | 258 | 248 | 307 | 250 | 221 |
|                                | 91                         | 214       | 391 | 303 | 196 | 170   | 223   | 194   | 175   | 176   | 163   | 156 | 159 | 167 | 151 | 154 | 130 | 116 | 55  | 130 |
|                                | 92A                        | 82        | 28  | 43  | 86  | 111   | 107   | 106   | 113   | 103   | 94    | 97  | 71  | 54  | 52  | 39  | 31  | 23  | 12  | 26  |
|                                | 92B                        | 462       | 298 | 417 | 486 | 552   | 521   | 560   | 555   | 530   | 502   | 473 | 430 | 361 | 314 | 280 | 264 | 174 | 201 | 78  |
|                                | 86-88 }<br>93-98 }         | 29        | 15  | 28  | 22  | 29    | 24    | 20    | 24    | 29    | 45    | 47  | 45  | 60  | 52  | 39  | 27  | 40  | 24  | 52  |
| 1 Jan.-<br>10 May,<br>1919.    | Other respiratory diseases | ...       | ... | ... | ... | ...   | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ... | ... | ... | ... | ... | ... |
|                                | Other causes               | 67        | 108 | 67  | 66  | 68    | 58    | 50    | 49    | 56    | 52    | 60  | 73  | 74  | 71  | 76  | 95  | 88  | 73  | 39  |
|                                | Total...                   | 987       | 958 | 966 | 978 | 1,025 | 1,023 | 1,021 | 1,004 | 1,007 | 996   | 996 | 973 | 968 | 934 | 907 | 846 | 792 | 639 | 546 |
|                                | No contributory cause      | 83        | 94  | 85  | 91  | 58    | 54    | 52    | 60    | 66    | 75    | 84  | 100 | 114 | 140 | 157 | 208 | 267 | 378 | 481 |
|                                | 28-35                      | 18        | 2   | 15  | 26  | 26    | 23    | 25    | 26    | 28    | 27    | 22  | 15  | 19  | 8   | 8   | —   | —   | —   | —   |
|                                | 61                         | 20        | 46  | 82  | 98  | 36    | 16    | 8     | 12    | 15    | 20    | 12  | 9   | 9   | 4   | 1   | —   | 2   | —   | —   |
|                                | 77-80                      | 31        | 3   | 15  | 21  | 21    | 19    | 20    | 21    | 30    | 34    | 39  | 47  | 50  | 51  | 82  | 52  | 51  | 60  | 48  |
|                                | 89, 90                     | 98        | 106 | 52  | 37  | 28    | 24    | 33    | 36    | 48    | 71    | 98  | 147 | 183 | 211 | 240 | 238 | 224 | 231 | 337 |
|                                | 91                         | 228       | 401 | 317 | 214 | 212   | 272   | 233   | 228   | 204   | 198   | 176 | 160 | 187 | 168 | 153 | 162 | 128 | 106 | 67  |
|                                | 92A                        | 63        | 23  | 34  | 72  | 76    | 95    | 93    | 85    | 93    | 82    | 77  | 50  | 44  | 46  | 28  | 21  | 28  | 15  | 10  |
|                                | 92B                        | 401       | 252 | 315 | 357 | 467   | 480   | 514   | 514   | 484   | 462   | 450 | 422 | 349 | 323 | 293 | 231 | 181 | 146 | 87  |
|                                | 86-88 }<br>93-98 }         | 33        | 18  | 29  | 40  | 38    | 18    | 20    | 25    | 36    | 39    | 39  | 50  | 63  | 64  | 35  | 37  | 43  | 20  | 29  |
|                                | Other respiratory diseases | ...       | ... | ... | ... | ...   | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ... | ... | ... | ... | ... | ... |
|                                | Other causes               | 78        | 117 | 111 | 103 | 87    | 52    | 51    | 60    | 66    | 67    | 63  | 85  | 91  | 92  | 89  | 95  | 85  | 101 | 58  |
|                                | Total...                   | 970       | 968 | 970 | 968 | 991   | 999   | 997   | 1,007 | 1,004 | 1,000 | 976 | 985 | 995 | 967 | 929 | 838 | 742 | 679 | 636 |
|                                | No contributory cause      | 106       | 94  | 103 | 110 | 92    | 61    | 68    | 64    | 78    | 81    | 97  | 107 | 115 | 147 | 164 | 217 | 319 | 382 | 423 |



TABLE XVII.—ENGLAND AND WALES.—DEATHS FROM OR ASSOCIATED WITH INFLUENZA.

Frequency of the chief Contributory Causes at various ages per thousand total Deaths at each Age.

FEMALES.

| Period.                | Contributory Cause.   | All Ages. | 0—  | 5—  | 10— | 15—   | 20—   | 25—   | 30—   | 35—   | 40—   | 45— | 50— | 55— | 60— | 65— | 70— | 75— | 80— | 85— |
|------------------------|-----------------------|-----------|-----|-----|-----|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 23 June-30 Sept. 1918. | 28-35                 | 3         | —   | 4   | —   | 4     | 7     | 6     | 2     | 5     | —     | 3   | —   | —   | —   | 5   | —   | —   | —   | —   |
|                        | 61                    | 29        | 63  | 113 | 71  | 56    | 26    | 13    | 19    | 17    | 21    | 6   | —   | —   | —   | —   | —   | —   | —   | —   |
|                        | 77-80                 | 81        | 8   | 18  | 75  | 54    | 79    | 110   | 116   | 62    | 97    | 99  | 67  | 130 | 92  | 101 | 83  | 102 | 120 | 29  |
|                        | 89, 90                | 102       | 85  | 36  | 15  | 30    | 40    | 82    | 49    | 103   | 103   | 166 | 172 | 204 | 188 | 296 | 250 | 212 | 133 | 206 |
|                        | 91                    | 131       | 275 | 188 | 150 | 112   | 107   | 104   | 105   | 112   | 147   | 141 | 157 | 126 | 100 | 127 | 106 | 76  | 48  | 59  |
|                        | 92A                   | 103       | 22  | 54  | 86  | 142   | 151   | 143   | 165   | 145   | 111   | 86  | 78  | 74  | 61  | 42  | 17  | 12  | 29  | 29  |
|                        | 92B                   | 321       | 152 | 224 | 338 | 412   | 443   | 420   | 408   | 384   | 334   | 310 | 310 | 239 | 214 | 127 | 161 | 93  | 157 | 29  |
|                        | 86-88                 | 46        | 25  | 32  | 19  | 32    | 33    | 48    | 54    | 60    | 59    | 70  | 37  | 57  | 57  | 58  | 56  | 51  | 60  | 29  |
|                        | 93-98                 | 32        | —   | —   | —   | 13    | 81    | 77    | 66    | 45    | 59    | 6   | —   | —   | —   | —   | —   | —   | —   | —   |
|                        | 134-141               | 115       | 344 | 141 | 139 | 97    | 92    | 67    | 60    | 72    | 91    | 105 | 123 | 130 | 135 | 122 | 128 | 178 | 60  | 59  |
| 4th Quarter 1918.      | Other causes          | 963       | 974 | 810 | 893 | 952   | 1,059 | 1,070 | 1,044 | 984   | 1,022 | 992 | 951 | 977 | 860 | 878 | 812 | 729 | 590 | 440 |
|                        | Total...              | 144       | 124 | 264 | 137 | 137   | 85    | 77    | 84    | 97    | 106   | 125 | 134 | 161 | 231 | 196 | 250 | 339 | 434 | 560 |
|                        | No contributory cause | 16        | 3   | 6   | 24  | 24    | 24    | 19    | 17    | 20    | 22    | 13  | 11  | 16  | 8   | 8   | 2   | —   | 4   | —   |
|                        | 28-35                 | 14        | 30  | 40  | 29  | 17    | 12    | 8     | 10    | 8     | 5     | 7   | 4   | 6   | 3   | 3   | —   | 2   | —   | —   |
|                        | 61                    | 32        | 3   | 6   | 27  | 25    | 30    | 31    | 34    | 47    | 57    | 55  | 49  | 57  | 56  | 49  | 56  | 53  | 67  | 21  |
|                        | 77-80                 | 84        | 73  | 39  | 32  | 30    | 28    | 35    | 48    | 65    | 104   | 133 | 185 | 210 | 256 | 315 | 309 | 285 | 264 | 255 |
|                        | 89, 90                | 193       | 418 | 340 | 193 | 135   | 141   | 138   | 143   | 145   | 152   | 167 | 167 | 174 | 158 | 157 | 137 | 135 | 89  | 55  |
|                        | 91                    | 84        | 30  | 56  | 87  | 122   | 113   | 117   | 116   | 99    | 84    | 74  | 59  | 59  | 35  | 28  | 25  | 18  | 15  | 7   |
|                        | 92A                   | 452       | 295 | 407 | 507 | 543   | 564   | 564   | 527   | 500   | 455   | 412 | 372 | 322 | 292 | 249 | 216 | 191 | 123 | 103 |
|                        | 92B                   | 25        | 12  | 19  | 21  | 21    | 20    | 23    | 25    | 29    | 34    | 35  | 42  | 41  | 38  | 34  | 43  | 18  | 26  | 48  |
| 1st Jan.-10 May 1919.  | 86-88                 | 29        | —   | —   | —   | 14    | 50    | 66    | 65    | 51    | 28    | 5   | —   | —   | —   | —   | —   | —   | —   | —   |
|                        | 93-98                 | 56        | 100 | 62  | 51  | 51    | 42    | 38    | 39    | 52    | 49    | 64  | 69  | 67  | 63  | 60  | 50  | 62  | 63  | 62  |
|                        | 134-141               | 985       | 964 | 975 | 974 | 982   | 1,024 | 1,039 | 1,024 | 1,016 | 990   | 965 | 958 | 952 | 909 | 903 | 838 | 764 | 651 | 551 |
|                        | Other causes          | 95        | 88  | 73  | 82  | 82    | 69    | 67    | 80    | 91    | 99    | 108 | 115 | 127 | 158 | 156 | 206 | 275 | 394 | 490 |
|                        | Total...              | 17        | 5   | 14  | 27  | 41    | 30    | 23    | 21    | 26    | 29    | 16  | 13  | 6   | 8   | 9   | —   | 3   | —   | —   |
|                        | No contributory cause | 20        | 50  | 93  | 71  | 45    | 17    | 13    | 10    | 13    | 16    | 8   | 5   | 7   | 3   | 4   | 2   | 1   | —   | 5   |
|                        | 28-35                 | 45        | 1   | 6   | 37  | 54    | 35    | 32    | 39    | 58    | 64    | 66  | 72  | 77  | 65  | 61  | 62  | 59  | 45  | 52  |
|                        | 61                    | 128       | 108 | 42  | 23  | 32    | 50    | 36    | 47    | 52    | 105   | 134 | 182 | 236 | 249 | 289 | 320 | 341 | 331 | 277 |
|                        | 77-80                 | 204       | 390 | 300 | 180 | 159   | 155   | 189   | 189   | 183   | 184   | 212 | 199 | 192 | 187 | 167 | 148 | 137 | 117 | 127 |
|                        | 89, 90                | 56        | 26  | 25  | 75  | 66    | 94    | 99    | 86    | 66    | 72    | 51  | 42  | 33  | 38  | 27  | 23  | 10  | 5   | —   |
| 1st Jan.-10 May 1919.  | 92A                   | 370       | 253 | 339 | 425 | 491   | 516   | 505   | 500   | 472   | 379   | 369 | 333 | 280 | 264 | 227 | 190 | 154 | 117 | 117 |
|                        | 92B                   | 32        | 15  | 28  | 29  | 31    | 33    | 27    | 26    | 30    | 46    | 50  | 45  | 48  | 33  | 31  | 37  | 34  | 37  | 33  |
|                        | 86-88                 | 27        | —   | —   | —   | 7     | 55    | 72    | 75    | 66    | 36    | 5   | —   | —   | —   | —   | —   | —   | —   | —   |
|                        | 93-98                 | 78        | 110 | 101 | 102 | 88    | 62    | 55    | 49    | 67    | 81    | 79  | 98  | 83  | 90  | 87  | 74  | 85  | 67  | 33  |
|                        | 134-141               | 977       | 958 | 948 | 969 | 1,014 | 1,047 | 1,051 | 1,042 | 1,033 | 1,012 | 990 | 989 | 962 | 937 | 902 | 856 | 824 | 719 | 644 |
|                        | Other causes          | 118       | 97  | 112 | 108 | 92    | 73    | 77    | 82    | 102   | 102   | 106 | 103 | 132 | 145 | 174 | 211 | 231 | 328 | 385 |
|                        | Total...              | 17        | 5   | 14  | 27  | 41    | 30    | 23    | 21    | 26    | 29    | 16  | 13  | 6   | 8   | 9   | —   | 3   | —   | —   |
|                        | No contributory cause | 20        | 50  | 93  | 71  | 45    | 17    | 13    | 10    | 13    | 16    | 8   | 5   | 7   | 3   | 4   | 2   | 1   | —   | 5   |
|                        | 28-35                 | 45        | 1   | 6   | 37  | 54    | 35    | 32    | 39    | 58    | 64    | 66  | 72  | 77  | 65  | 61  | 62  | 59  | 45  | 52  |
|                        | 61                    | 128       | 108 | 42  | 23  | 32    | 50    | 36    | 47    | 52    | 105   | 134 | 182 | 236 | 249 | 289 | 320 | 341 | 331 | 277 |



The total number of pregnant or parturient women recorded as dying from influenza is 2,285. The proportion of these deaths to total deaths of the same age did not greatly vary throughout the epidemic, but a curious change in the age of their maximum frequency may be noted. It was 20-25 in the first wave, 25-30 in the second, and 30-35 in the third.

It is of interest to inquire whether, and if so, by how much this mortality exceeds that common to all women of the ages in question, whether pregnant or not. The mortality from or associated with influenza, throughout the whole epidemic, of women aged 15-50 was 4·3 per thousand in 46 weeks, or at the rate of 4·9 per annum. The number of live births registered from July 1st, 1918, to June 30th, 1919, was 623,740. These, of course, do not correspond to the number of pregnancies, tending to exceed them to a small extent on account of multiple births, and falling short to a greater extent on account of pregnancies not resulting in a live birth. We may, perhaps, be near the truth in estimating the total pregnancies of the year at 750,000. The period at risk of death from influenza as shown by the returns may be taken for each completed pregnancy at not more than 7½ months, since it is unlikely that the fact of pregnancy would, as a rule, be reported when the death occurred within the first six weeks, and some of the pregnancies included in the total do not go to full term. The total number of months at risk during the year would, therefore, be 750,000 × 7½, or 5,625,000, equal to about 469,000 years, *i.e.*, the deaths to be expected in one year are those of a population of 469,000. Amongst this population 2,198 deaths are recorded to have occurred in 46 weeks, which is the equivalent of 2,492 per annum. This number represents a death-rate of 5·3 per annum, which is but little in excess of the 4·9 calculated for the whole female population at these ages.\* Substantially then, pregnancy did not add appreciably to the risk of death from influenza, if we assume that the 2,198 deaths reported include all the recognisably pregnant victims ; but this assumption is very doubtful.

The matter may also be examined by ascertaining in detail the nature of the puerperal condition returned as associated with influenza in the causation of these deaths. The following table compares the deaths from each cause distinguished in Tables XXV-XXVII with those primarily assigned to the same cause in a normal year, of which 1917 is taken as the latest available example.

TABLE XVIII.—Comparison of the Puerperal Mortality associated with Influenza during the Epidemic of 1918-19 with that ordinarily classed to puerperal causes. (The deaths in 1917 are used as a sample of the normal puerperal mortality.)

|  | Number of deaths.                  |                               | Proportion per 10,000 deaths.      |                               |
|--|------------------------------------|-------------------------------|------------------------------------|-------------------------------|
|  | Associated with epidemic, 1918-19. | Primary classification, 1917. | Associated with epidemic, 1918-19. | Primary classification, 1917. |
| 134. A. Abortion ... ..                      | 1,064                              | 119                           | 4,657                              | 458                           |
| B. Hæmorrhage of pregnancy ... ..            | —                                  | 61                            | —                                  | 235                           |
| C. Uncontrollable vomiting ... ..            | 3                                  | 19                            | 13                                 | 73                            |
| D. Ectopic gestation ... ..                  | 1                                  | 51                            | 4                                  | 196                           |
| E. Other accidents of pregnancy ... ..       | 156                                | 28                            | 683                                | 108                           |
| 135. Puerperal hæmorrhage ... ..             | 30                                 | 357                           | 131                                | 1,374                         |
| 136. Other accidents of childbirth ... ..    | 963                                | 272                           | 4,214                              | 1,047                         |
| 137. Puerperal fever ... ..                  | 21                                 | 873                           | 92                                 | 3,360                         |
| 138 A. Puerperal nephritis and uræmia ... .. | 10                                 | 119                           | 44                                 | 458                           |
| B. " albuminuria and Bright's dis. ... ..    | —                                  | 33                            | —                                  | 127                           |
| C. " convulsions ... ..                      | 16                                 | 389                           | 70                                 | 1,497                         |
| 139. A. " phlegmasia alba dolens ... ..      | 5                                  | 43                            | 22                                 | 166                           |
| B. " embolism and sudden death ... ..        | 10                                 | 200                           | 44                                 | 770                           |
| 140. " insanity ... ..                       | 5                                  | 19                            | 22                                 | 73                            |
| 141. " diseases of the breast ... ..         | 1                                  | 15                            | 4                                  | 58                            |
| Total 134-141 ... ..                         | 2,285†                             | 2,598                         | 10,000                             | 10,000                        |

It will be seen that the distribution of the epidemic mortality by puerperal causes is totally different from that of the mortality yearly allocated to the same causes. The latter is largely caused by puerperal fever, convulsions, hæmorrhage, and embolism, which contributed very little to the epidemic mortality. This was caused to the extent of 89 per cent. by abortion and "other accidents of childbirth." On examination of Tables XXI and XXIII it appears that the deaths classed to the latter head are returned as due merely to 'influenza and childbirth,' 'confinement,' &c. It is difficult to fix the boundary, for this purpose, between abortion and childbirth, but if we may assume that delivery under 6½ months would be certified as abortion and over that period as childbirth then about two-thirds of the cases (those at 1½-6½ months) should fall under the former head and one-third (6½-9 months) under the latter, if the risk of death from influenza is the same at all stages of pregnancy. At the general death-rate for the total female population of 4·3 per 1,000 in the 46 weeks the pregnant population of 469,000 would yield 2,017 deaths (as against 2,285 recorded). Two-thirds of this number is 1,345, considerably more than the 1,064 abortions, while one-third is 672, considerably less than the 963 "childbirths." These differences can be largely adjusted by assuming that "abortion" merges into "childbirth" at a somewhat earlier period of pregnancy than 6½ months. When this adjustment has been made the certification is seen to be, as to 89 per cent. of its bulk, exactly what might be expected if pregnancy did not materially affect the risk of death from influenza, but fatal influenza led to abortion or premature delivery.

It would be interesting in view of this to know whether non-fatal influenza caused any considerable increase in the number of premature deliveries during the epidemic, but the mortality

\* If the total number of pregnancies coming under consideration is taken at 700,000, which may be a more likely estimate in view of the exclusion of all of less than six weeks duration, the death-rate amongst pregnant women is increased from 5·3 to 5·7.

† This total exceeds the number of deaths by 87, on account of instances where two puerperal causes were returned on one certificate.



returns throw no light on this subject except that the mortality of infants from prematurity in 1918 was normal. Nor does the very small decline in the birth-rate in 1918 suggest that any large number of live births was lost through abortion caused by influenza.

Of the remaining 11 per cent. of the mortality in question about 4 per cent. only was due to the causes which normally form the main risks of parturition, while 7 per cent. was returned as accompanied by pregnancy, death presumably having occurred before delivery. Tables XXI and XXIII show that these deaths, classed in Table XVIII to "other accidents of pregnancy," were in practically all cases certified as caused by influenza, with the added information that the victim was pregnant. The "accident of pregnancy" in question was, in fact, influenza, as was the case also with the "other accidents of childbirth."

It is difficult to feel any assurance that the tale of these deaths is complete, for it seems probable that mention of pregnancy may have been omitted in many cases where the illness was not complicated by confinement. If it was, the mortality of pregnant women may have, after all, been excessive. We can only say that the death returns afford little evidence of such excess, and that they do clearly demonstrate that fatal influenza very frequently led to abortion or miscarriage.

The principal secondary causes certified during each phase of the epidemic in metropolitan and county boroughs, in other large towns, and in the urban and rural portions of administrative counties are shown in Table XXVIII. The object of the table is, of course, to provide the means of ascertaining what evidence may be afforded by the death certification of local differences in the type of infection, and whether the differing conditions of town and country life affected the manner in which it slew its victims. This matter has been tested only for the summarised groups of areas at the end of the table, the records for which have been set out in proportional form in Table XIX, so as to compare the populations dealt with in regard to the frequency with which the complications tabulated are mentioned in their death records.

TABLE XIX.—CAUSES of DEATH certified in association with INFLUENZA, per thousand Influenza Deaths.

|                        | July—September, 1918. |                 |               |                |             |            |                       | October—December, 1918. |                 |               |                |             |            |                       | Jan.—March, 1919. |                 |               |                |             |            |                       |
|------------------------|-----------------------|-----------------|---------------|----------------|-------------|------------|-----------------------|-------------------------|-----------------|---------------|----------------|-------------|------------|-----------------------|-------------------|-----------------|---------------|----------------|-------------|------------|-----------------------|
|                        | Total Deaths.         | No other Cause. | Tuberculosis. | Heart Disease. | Bronchitis. | Pneumonia. | Puerperal Conditions. | Total Deaths.           | No other Cause. | Tuberculosis. | Heart Disease. | Bronchitis. | Pneumonia. | Puerperal Conditions. | Total Deaths.     | No other Cause. | Tuberculosis. | Heart Disease. | Bronchitis. | Pneumonia. | Puerperal Conditions. |
| England and Wales      | 1,000                 | 136             | 3             | 75             | 108         | 560        | 16                    | 1,000                   | 93              | 19            | 30             | 82          | 731        | 17                    | 1,000             | 113             | 17            | 37             | 119         | 656        | 14                    |
| London ... ..          | 1,000                 | 106             | 3             | 145            | 102         | 572        | 14                    | 1,000                   | 61              | 23            | 40             | 87          | 773        | 11                    | 1,000             | 78              | 19            | 47             | 119         | 710        | 11                    |
| County Boroughs.       |                       |                 |               |                |             |            |                       |                         |                 |               |                |             |            |                       |                   |                 |               |                |             |            |                       |
| North ...              | 1,000                 | 130             | 2             | 68             | 114         | 595        | 16                    | 1,000                   | 95              | 16            | 20             | 86          | 733        | 13                    | 1,000             | 107             | 14            | 29             | 129         | 675        | 13                    |
| Midlands ...           | 1,000                 | 138             | 6             | 53             | 132         | 573        | 17                    | 1,000                   | 96              | 20            | 23             | 84          | 732        | 14                    | 1,000             | 107             | 19            | 37             | 117         | 673        | 14                    |
| South ...              | 1,000                 | 146             | —             | 110            | 123         | 466        | 9                     | 1,000                   | 82              | 26            | 40             | 76          | 737        | 15                    | 1,000             | 103             | 23            | 44             | 124         | 662        | 15                    |
| Wales ...              | 1,000                 | 114             | —             | 79             | 71          | 521        | 7                     | 1,000                   | 87              | 15            | 31             | 70          | 727        | 23                    | 1,000             | 90              | 20            | 29             | 99          | 687        | 20                    |
| Total ...              | 1,000                 | 133             | 3             | 68             | 118         | 580        | 16                    | 1,000                   | 94              | 19            | 23             | 84          | 733        | 14                    | 1,000             | 106             | 16            | 32             | 125         | 673        | 13                    |
| Other Urban Districts. |                       |                 |               |                |             |            |                       |                         |                 |               |                |             |            |                       |                   |                 |               |                |             |            |                       |
| North ...              | 1,000                 | 133             | 4             | 60             | 101         | 593        | 17                    | 1,000                   | 103             | 16            | 25             | 87          | 711        | 16                    | 1,000             | 127             | 13            | 35             | 119         | 642        | 15                    |
| Midlands ...           | 1,000                 | 138             | 2             | 67             | 116         | 558        | 24                    | 1,000                   | 102             | 18            | 31             | 81          | 731        | 16                    | 1,000             | 123             | 18            | 40             | 119         | 631        | 18                    |
| South ...              | 1,000                 | 134             | 3             | 81             | 121         | 489        | 16                    | 1,000                   | 74              | 24            | 45             | 73          | 740        | 20                    | 1,000             | 106             | 26            | 44             | 98          | 674        | 15                    |
| Wales ...              | 1,000                 | 150             | —             | 88             | 101         | 499        | 11                    | 1,000                   | 102             | 15            | 36             | 90          | 670        | 25                    | 1,000             | 122             | 16            | 41             | 95          | 620        | 21                    |
| Total ...              | 1,000                 | 137             | 3             | 68             | 107         | 561        | 18                    | 1,000                   | 97              | 18            | 32             | 82          | 721        | 18                    | 1,000             | 123             | 17            | 39             | 114         | 642        | 16                    |
| Rural Districts.       |                       |                 |               |                |             |            |                       |                         |                 |               |                |             |            |                       |                   |                 |               |                |             |            |                       |
| North ...              | 1,000                 | 148             | 4             | 70             | 70          | 548        | 15                    | 1,000                   | 100             | 15            | 23             | 70          | 725        | 21                    | 1,000             | 131             | 12            | 32             | 110         | 635        | 17                    |
| Midlands ...           | 1,000                 | 164             | —             | 65             | 78          | 469        | 18                    | 1,000                   | 105             | 20            | 25             | 82          | 719        | 21                    | 1,000             | 154             | 21            | 42             | 121         | 581        | 13                    |
| South ...              | 1,000                 | 193             | 5             | 80             | 112         | 305        | 16                    | 1,000                   | 105             | 22            | 41             | 69          | 706        | 22                    | 1,000             | 106             | 18            | 42             | 120         | 639        | 13                    |
| Wales ...              | 1,000                 | 189             | —             | 65             | 81          | 486        | 5                     | 1,000                   | 95              | 19            | 42             | 73          | 698        | 17                    | 1,000             | 109             | 23            | 33             | 111         | 644        | 24                    |
| Total ...              | 1,000                 | 165             | 2             | 69             | 80          | 480        | 15                    | 1,000                   | 103             | 19            | 29             | 76          | 716        | 22                    | 1,000             | 132             | 18            | 38             | 116         | 616        | 15                    |
| All Areas.             |                       |                 |               |                |             |            |                       |                         |                 |               |                |             |            |                       |                   |                 |               |                |             |            |                       |
| North ...              | 1,000                 | 133             | 3             | 66             | 105         | 589        | 16                    | 1,000                   | 98              | 16            | 22             | 84          | 725        | 16                    | 1,000             | 116             | 14            | 31             | 124         | 659        | 14                    |
| Midlands ...           | 1,000                 | 142             | 3             | 63             | 117         | 550        | 20                    | 1,000                   | 101             | 19            | 27             | 82          | 728        | 17                    | 1,000             | 127             | 19            | 39             | 119         | 633        | 15                    |
| South ...              | 1,000                 | 126             | 3             | 121            | 110         | 513        | 13                    | 1,000                   | 74              | 24            | 41             | 80          | 751        | 15                    | 1,000             | 93              | 21            | 45             | 115         | 682        | 12                    |
| Wales ...              | 1,000                 | 153             | —             | 81             | 92          | 500        | 9                     | 1,000                   | 97              | 17            | 37             | 80          | 690        | 22                    | 1,000             | 111             | 19            | 35             | 101         | 643        | 22                    |

On the whole the result of the comparison is to indicate great similarity in type of the disease, and remarkable uniformity in certification, throughout the whole of the country. This uniformity, of course, emphasizes the differences already noted between the types of infection in the various waves. When we observe that practically all classes of area in all parts of the country returned heart disease as a complication in the second wave with less than half the frequency recorded in the first, and that bronchitis was less frequently returned as a complication in the second wave in practically every instance, we must feel the more impressed by this evidence that such changes in type actually occurred. But in the main the disease killed in very much the same manner, in any one phase of the epidemic, amongst all the populations dealt with. Some of the minor differences which do appear, as for instance, the small proportion of deaths ascribed to influenza alone in London, evidently represent differences in the practice of certification, in this case the greater fullness of detail which is always to be found in London certification. The special frequency of heart disease in the South may also be of this origin, for it is scarcely likely that a real difference of this kind would be manifested in all three phases of the epidemic.

In some cases the numbers on which the proportions are based are so small as to make the latter unreliable—*e.g.*, puerperal conditions in the first wave. The cause of the insignificant tuberculosis mortality returned for the first wave has already been stated (page 33). In all classes of area in the South, outside London, pneumonia was returned with less than average frequency during the first wave, and bronchitis with more. But as London had the reverse experience it may be doubted whether the difference was a real one, and in any case it disappears after the first wave. On the whole the picture is one of remarkable uniformity; and in view of this no search has been made for differences between individual areas.



DIAGRAM I.—AGE DISTRIBUTION of STANDARDIZED MORTALITY from INFLUENZA :  
FEMALES, 1847-1919. (See Table I, page 8).

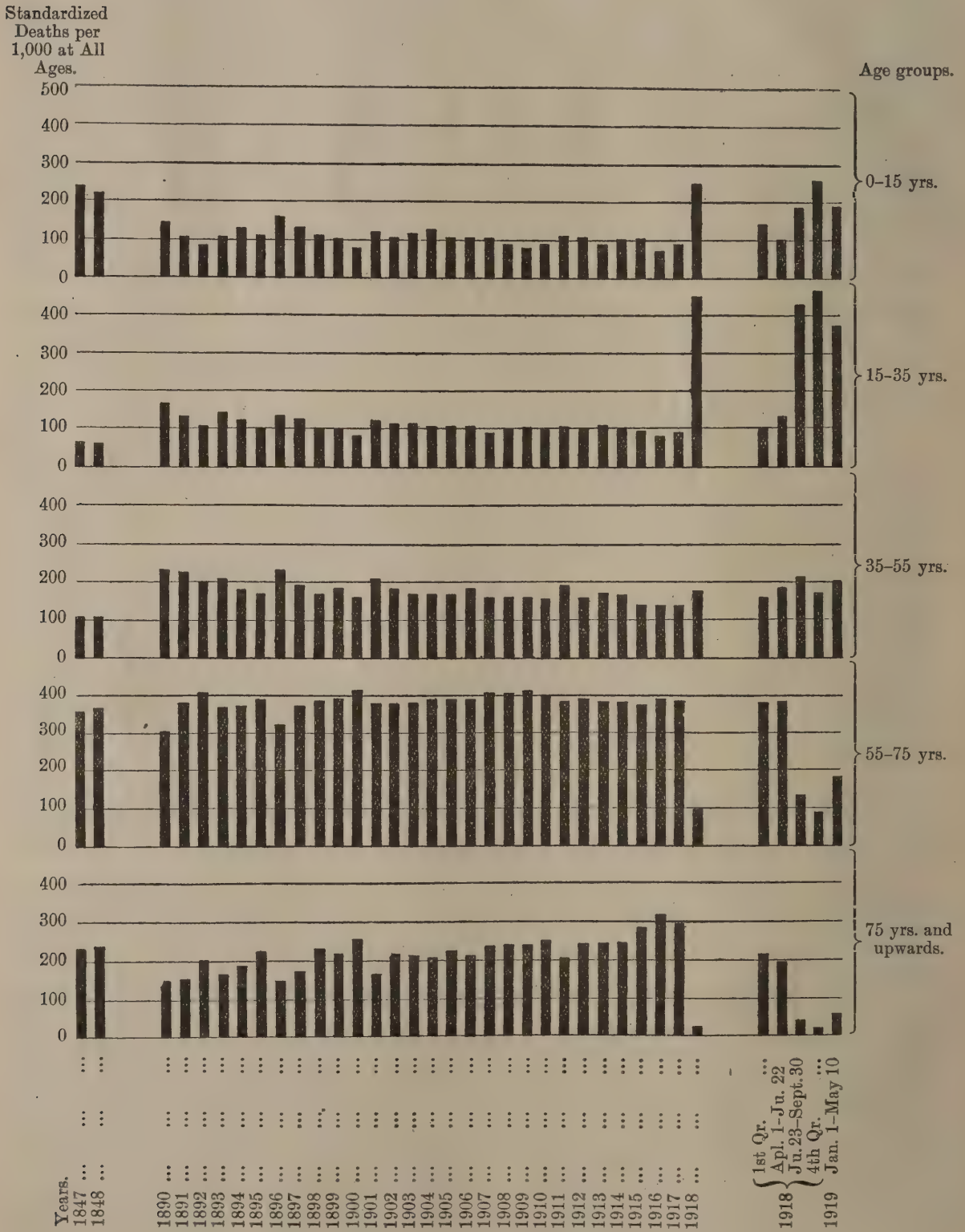




DIAGRAM II.—COMPARISON of the MORTALITY of FEMALES of various AGES from INFLUENZA in the FOURTH QUARTER of 1918 with that at the same AGE in the FOURTH QUARTERS of 1914-17.

(See page 8).

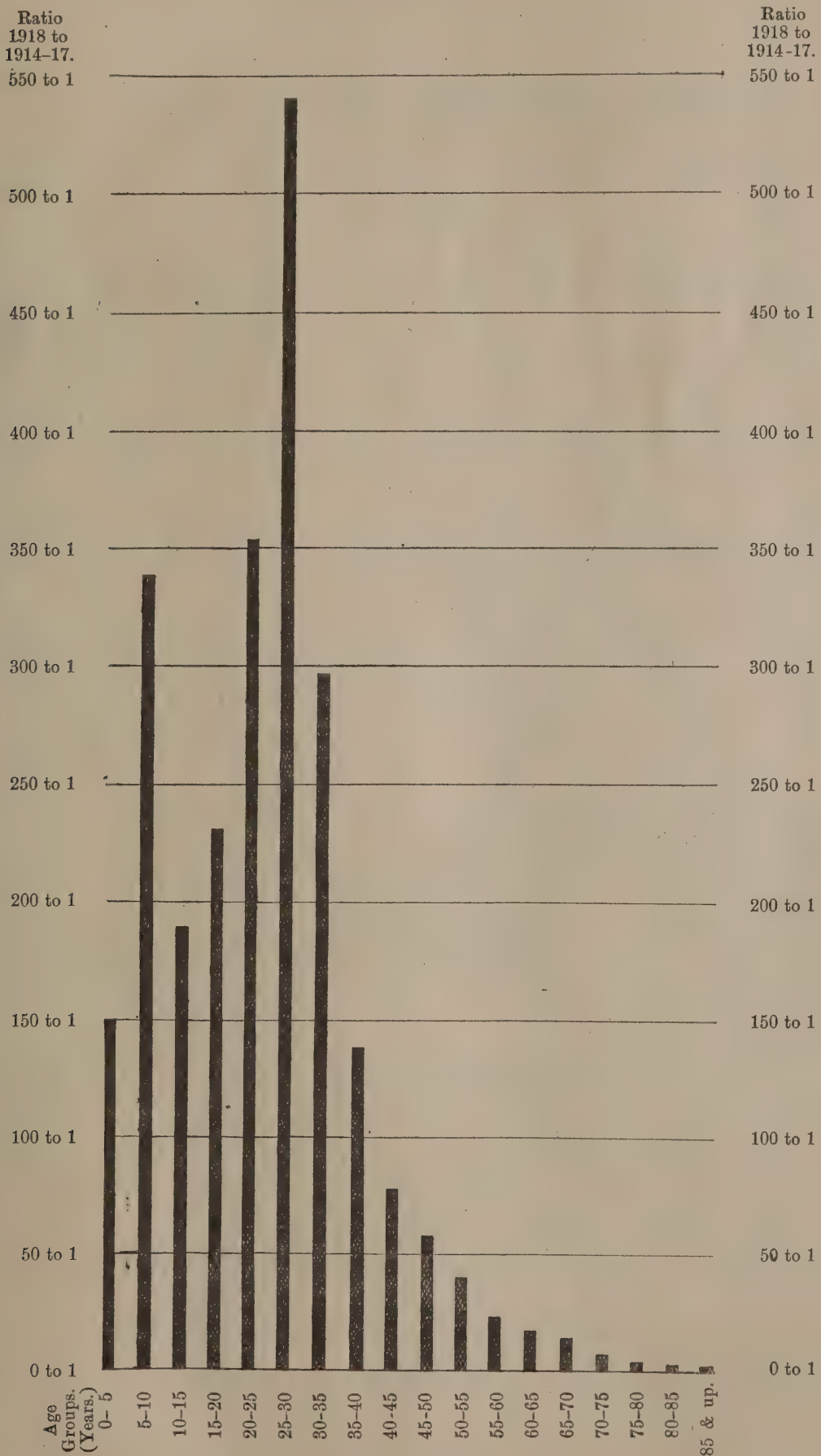


DIAGRAM III.—AGE DISTRIBUTION of DEATHS of FEMALES from INFLUENZA in each QUARTER of 1918 and in the FIRST QUARTER of 1919. (See Table II, page 9).

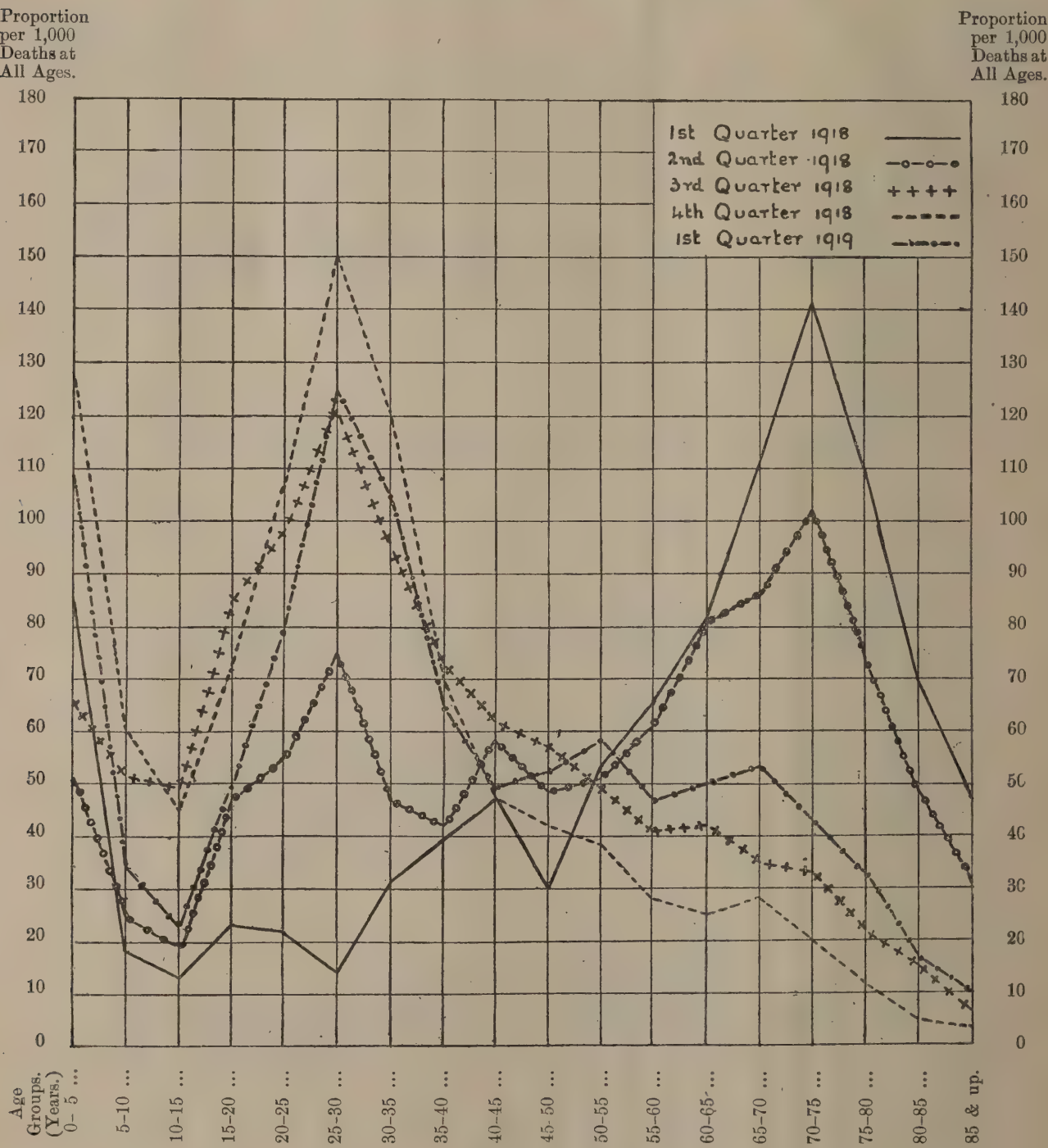
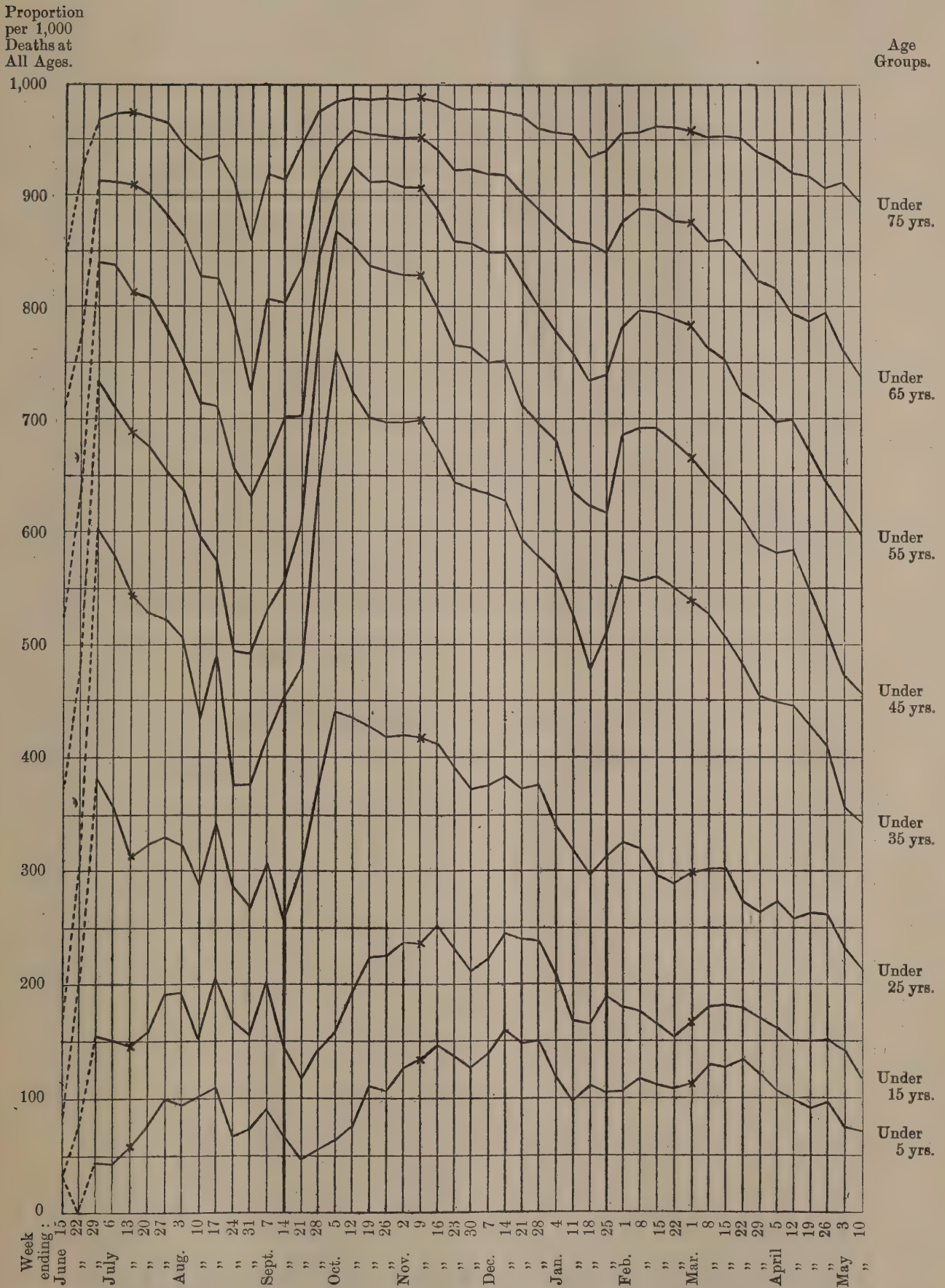




DIAGRAM IV.—INFLUENZA, 1918-19. DEATHS below various AGES per 1,000 at ALL AGES in each WEEK of the EPIDEMIC.

(For explanations and comment see page 10 ; and for data see Table III, page 11).



INFLUENZA, 1918-19. WEEKLY MORTALITY. (For rates see pages 78-80).

DIAGRAM V.—ENGLAND and WALES.

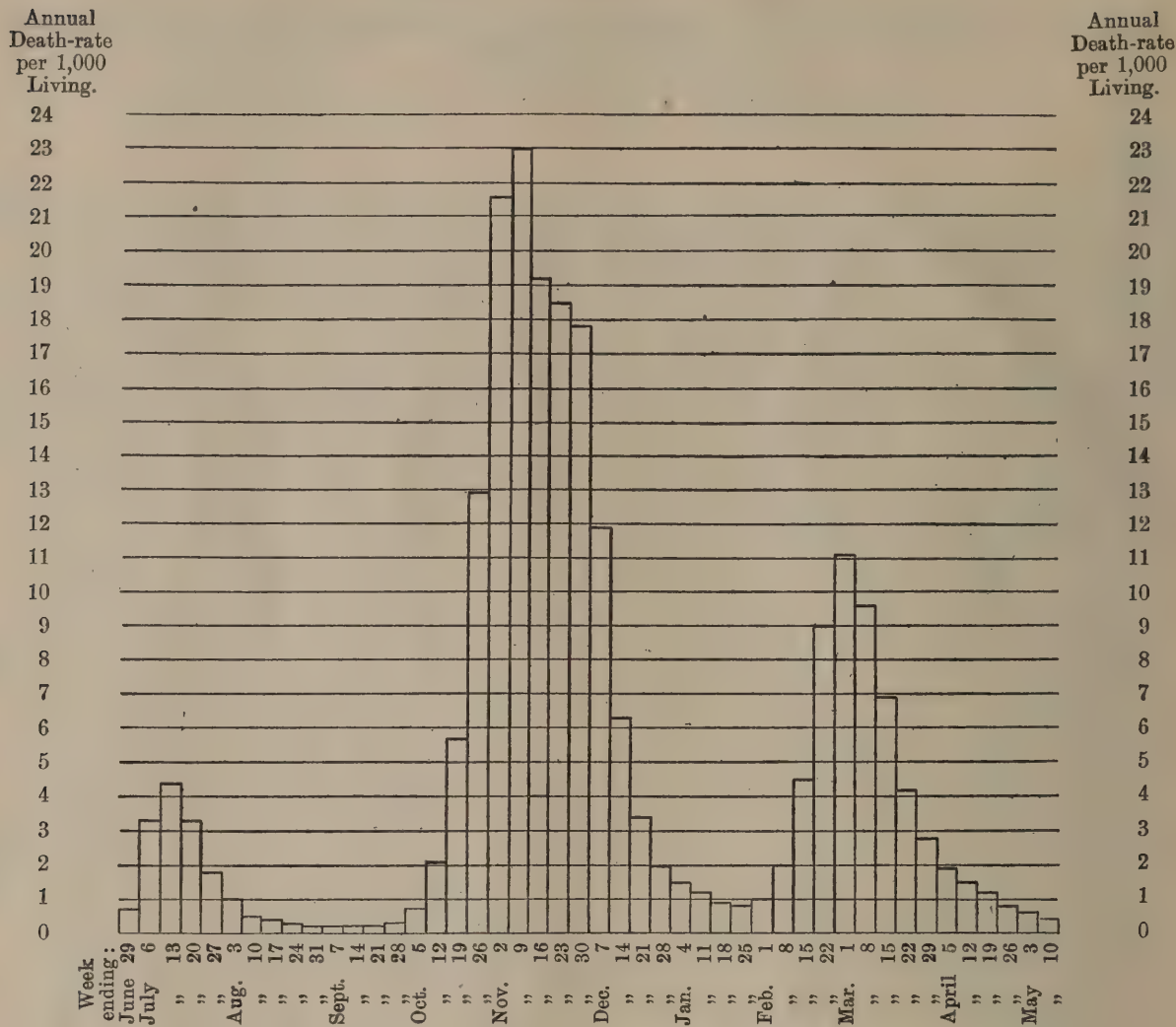
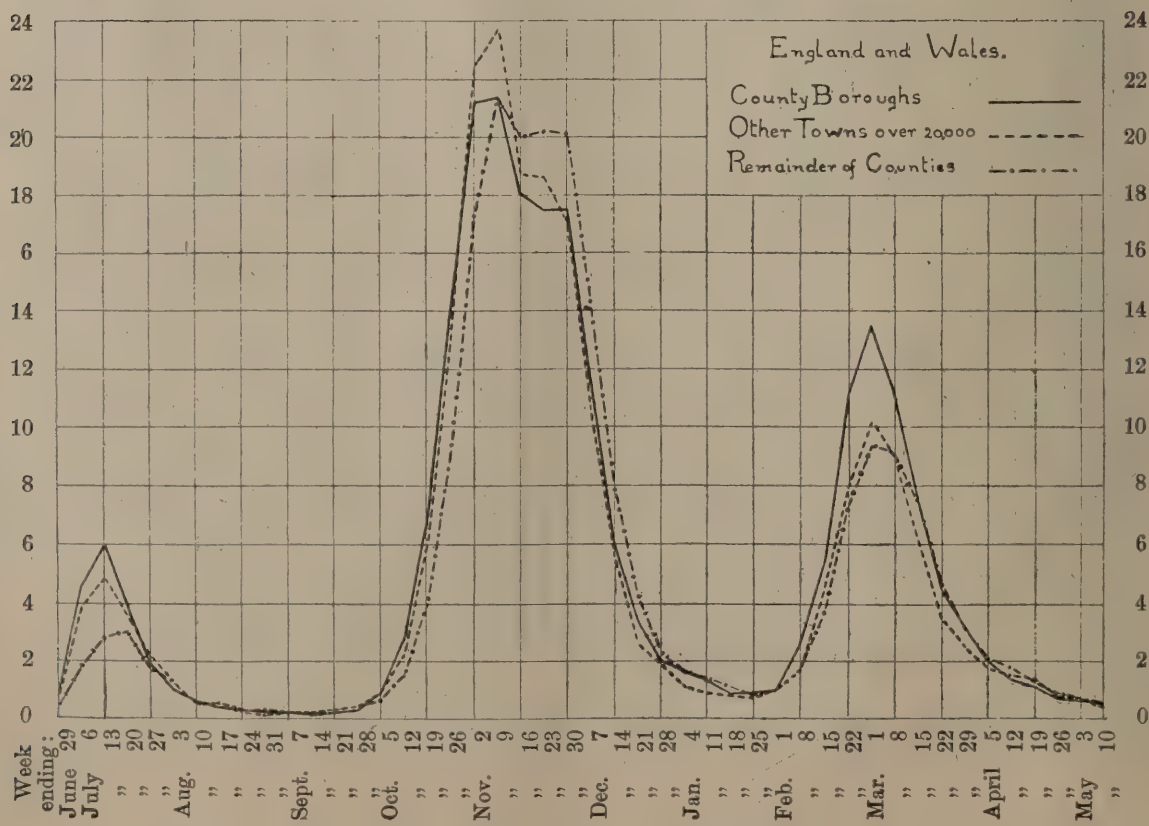


DIAGRAM VI.—CLASSES of ADMINISTRATIVE AREAS.





## INFLUENZA, 1918-19. WEEKLY MORTALITY. (For rates see pages 78-80).

DIAGRAM VII.—ADMINISTRATIVE AREAS in NORTH of ENGLAND.

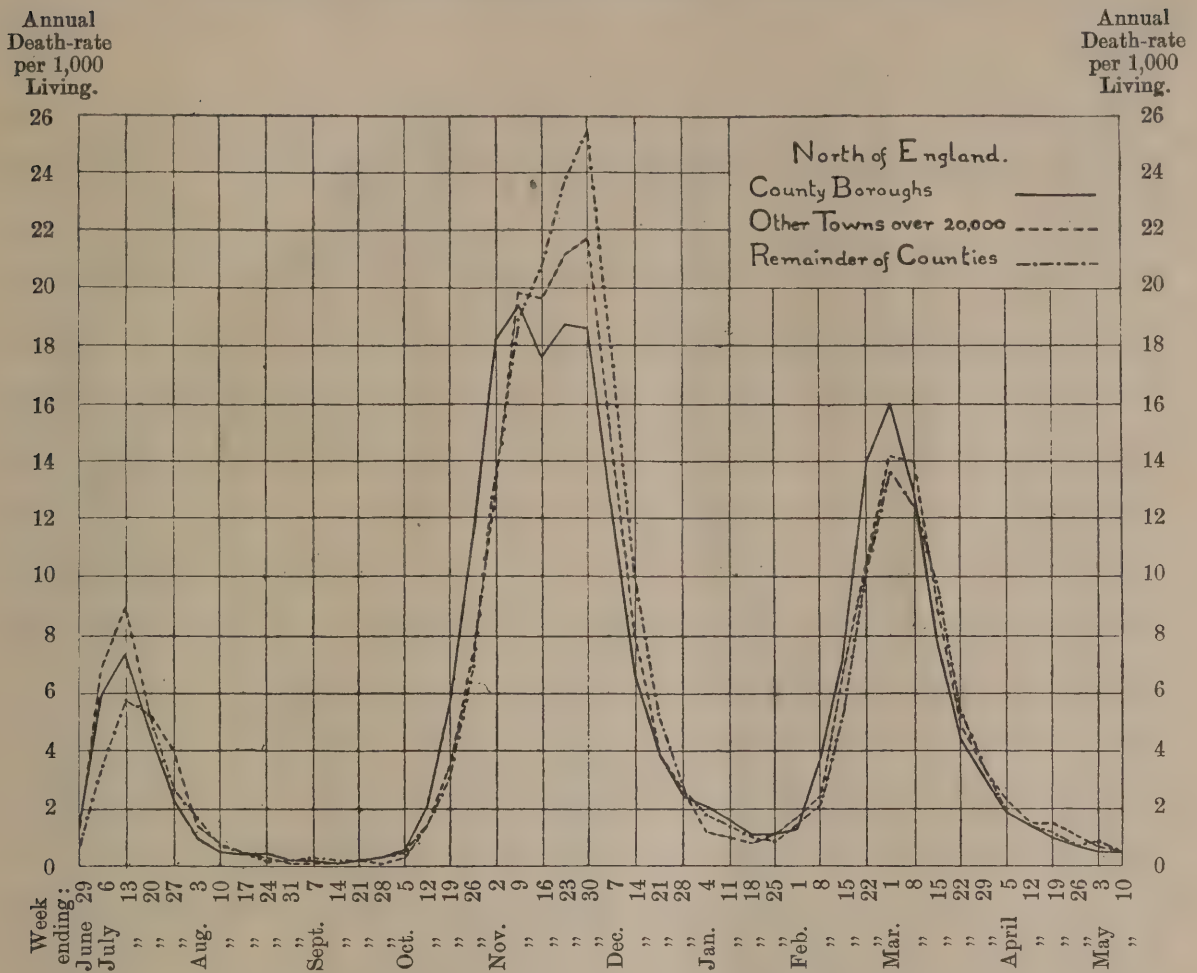
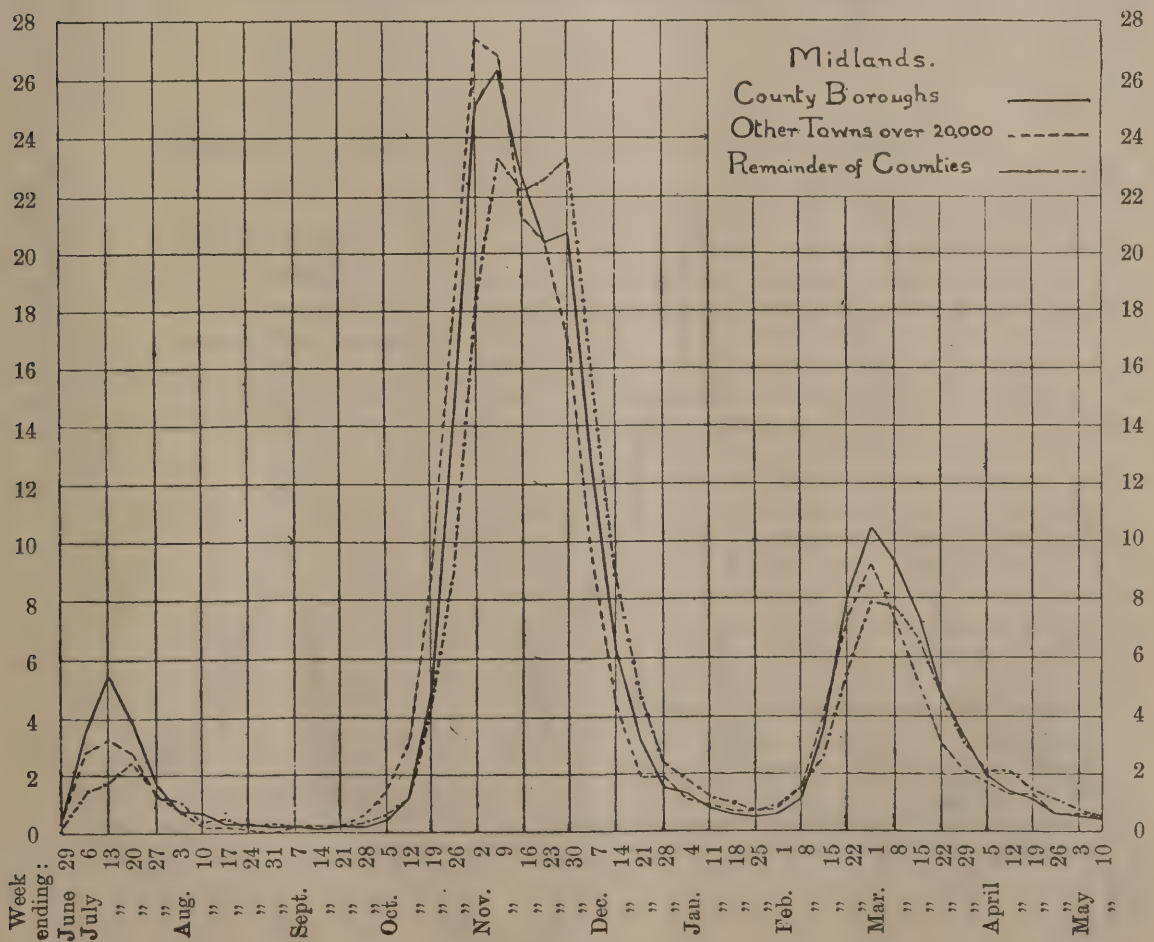


DIAGRAM VIII.—ADMINISTRATIVE AREAS in MIDLANDS.



INFLUENZA, 1918-19. WEEKLY MORTALITY. (For rates see pages 78-80).

DIAGRAM IX.—ADMINISTRATIVE AREAS in SOUTH of ENGLAND, excluding London.

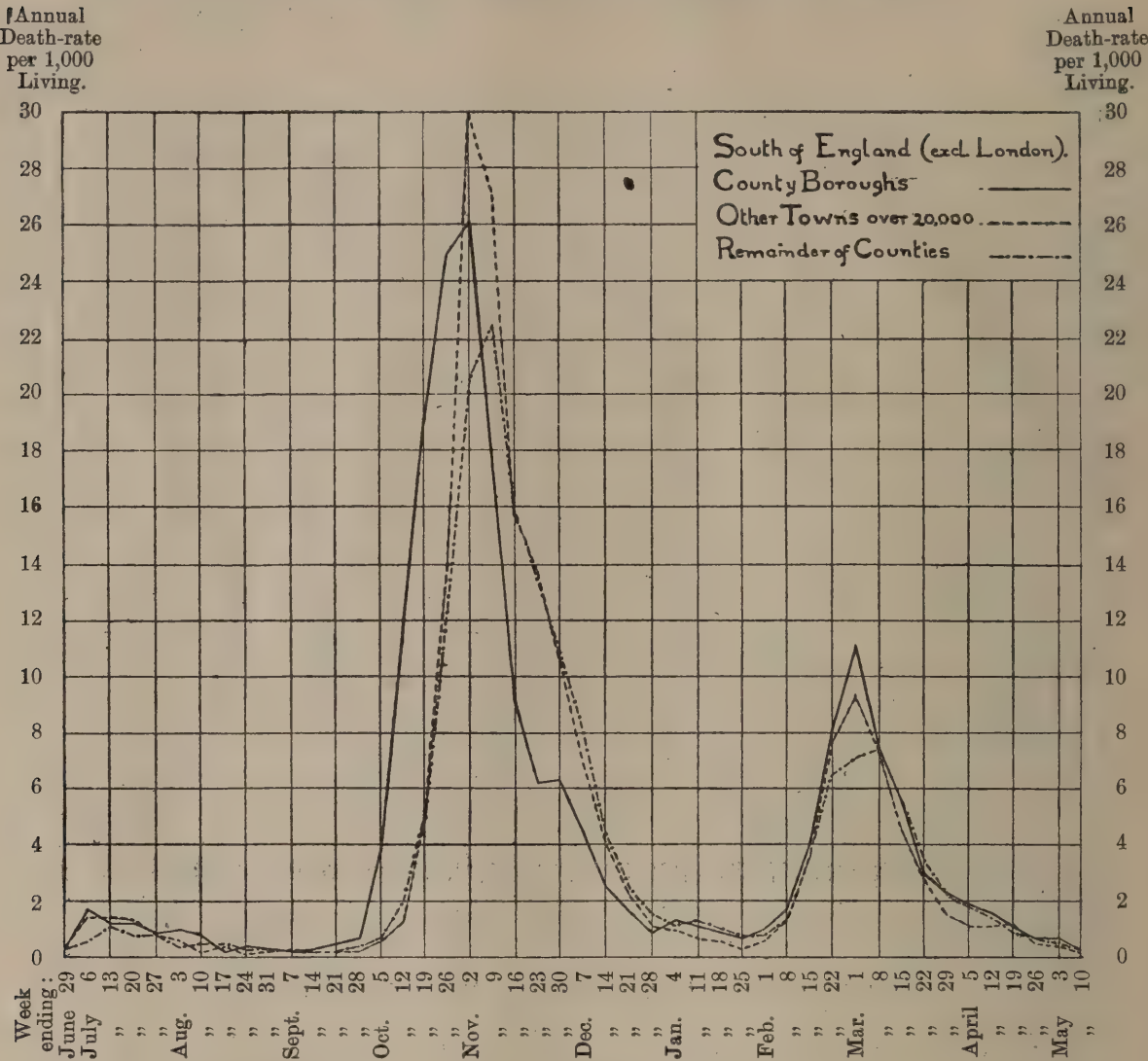


DIAGRAM X.—ADMINISTRATIVE AREAS in WALES and MONMOUTH.

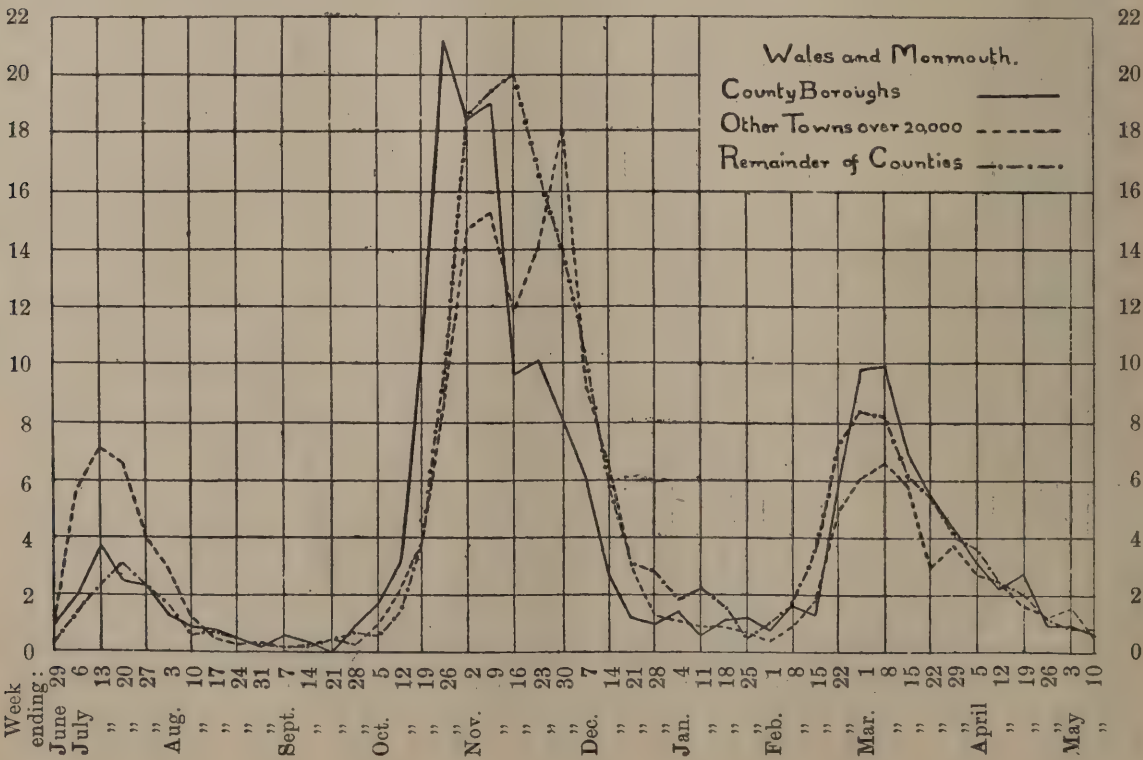
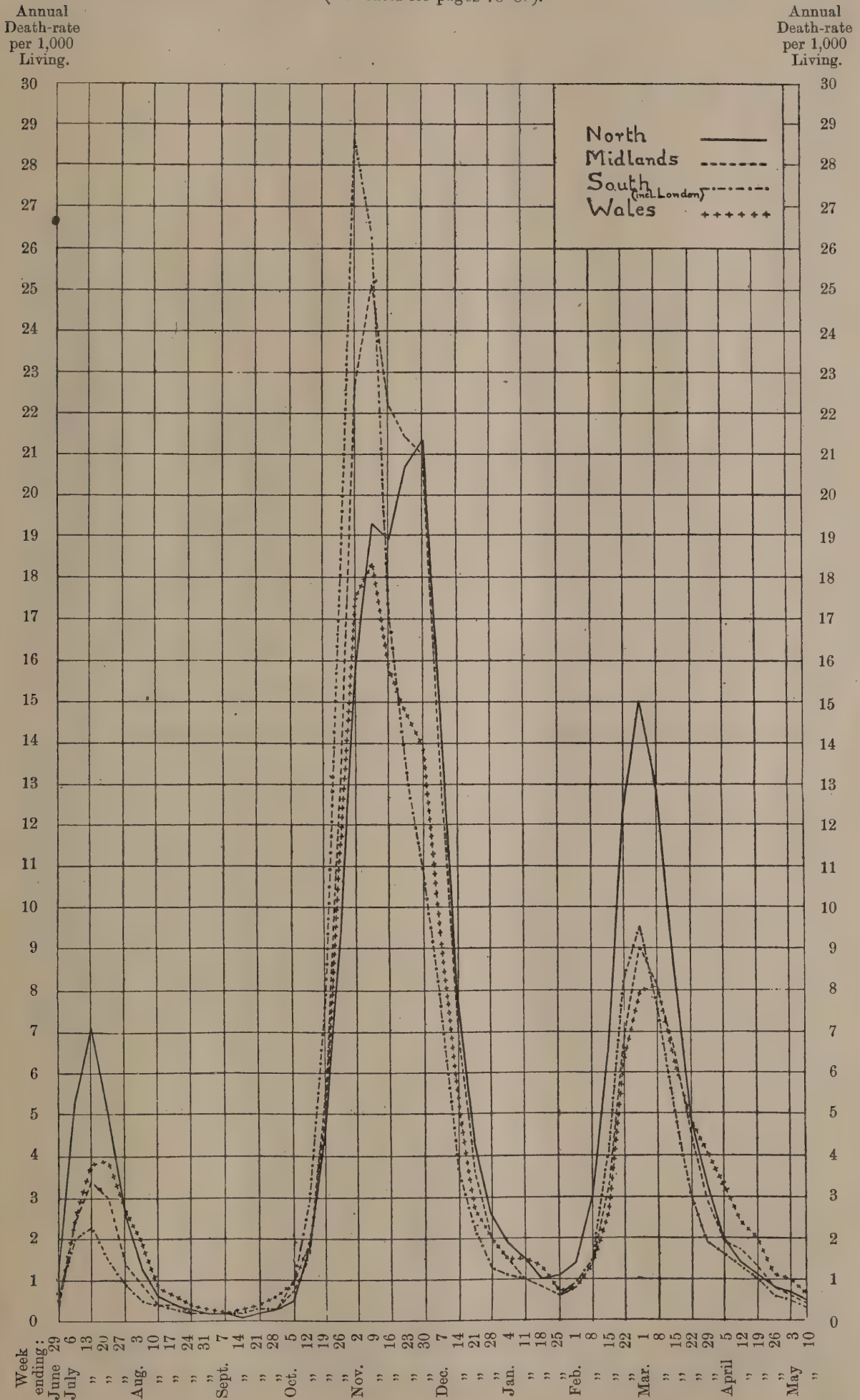




DIAGRAM XI.—INFLUENZA, 1918-19. WEEKLY MORTALITY: GEOGRAPHICAL DIVISIONS.  
(For rates see pages 78-80).



INFLUENZA, 1918-19. WEEKLY MORTALITY.  
 DIAGRAM XII.—ENGLISH COUNTY BOROUGHES. (For rates see pages 78-80).

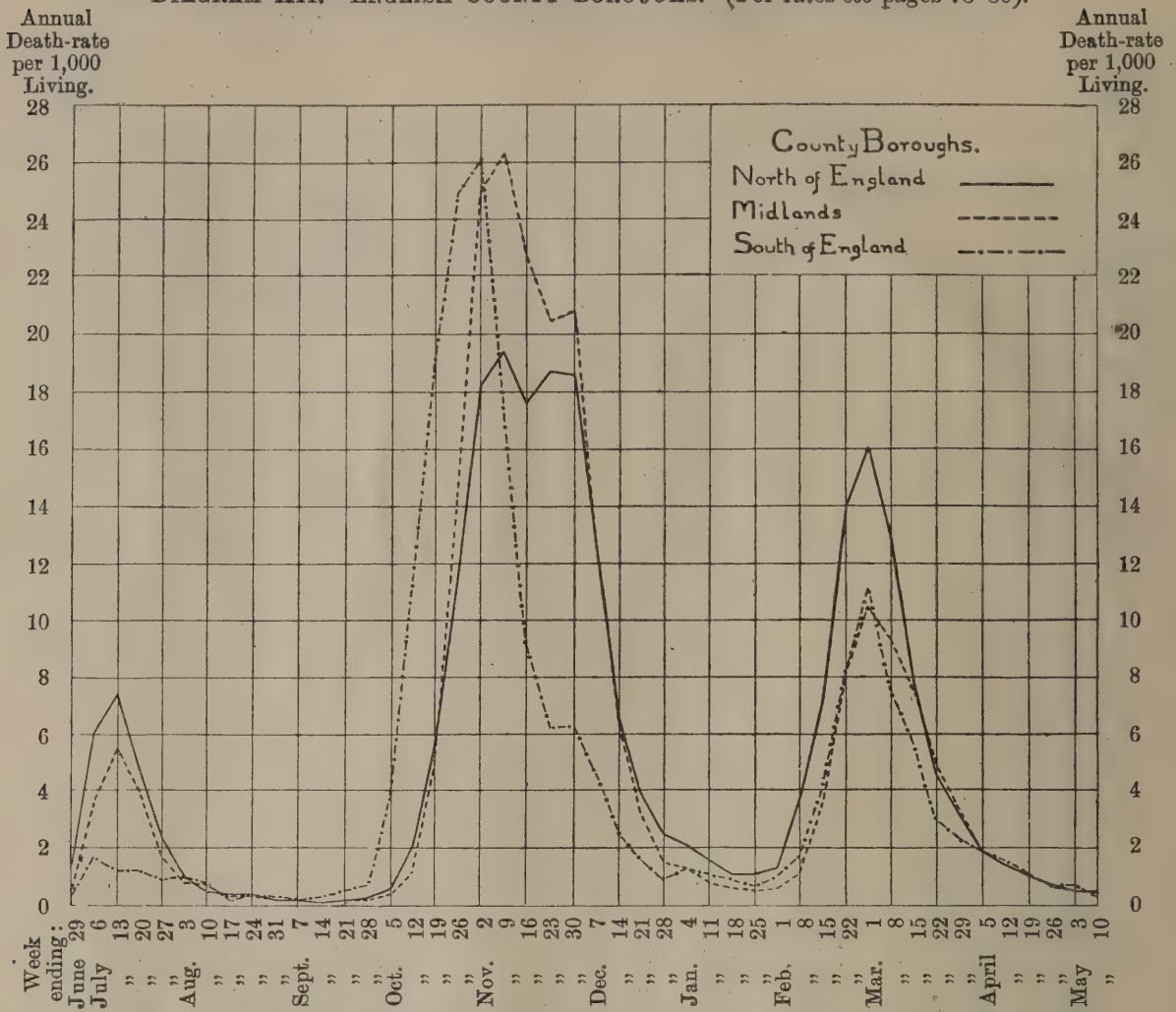


DIAGRAM XIII.—OTHER ENGLISH TOWNS with CENSUS POPULATIONS exceeding 20,000.

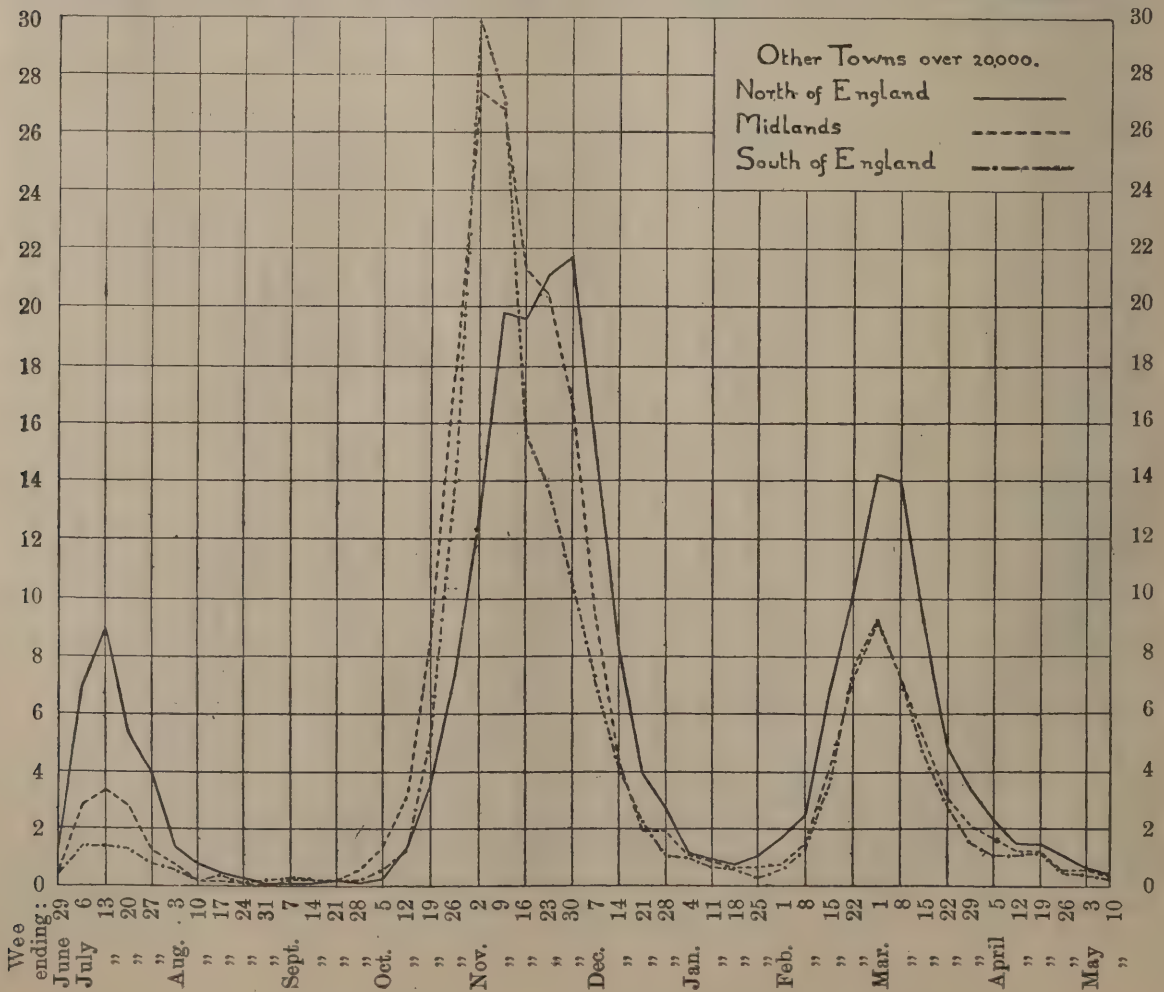




DIAGRAM XIV.—INFLUENZA, 1918-19. WEEKLY MORTALITY. (For rates see pages 78-80).  
 ENGLISH ADMINISTRATIVE COUNTIES, excluding TOWNS with CENSUS POPULATIONS exceeding 20,000.

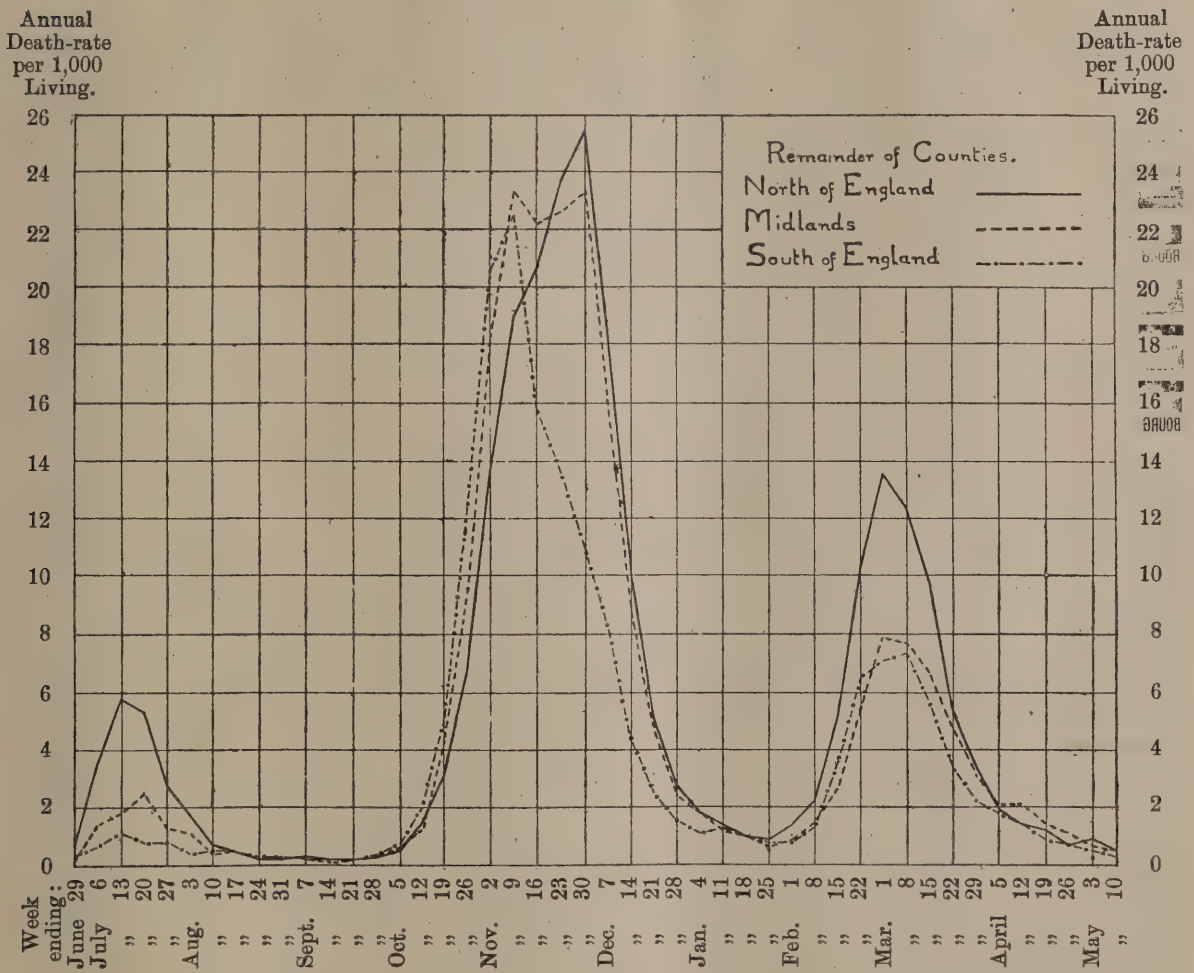


TABLE XX.—INFLUENZA, 1918-19.—DEATHS, and Annual DEATH-RATES per 1,000, of Civilians living in ADMINISTRATIVE AREAS (a) during the whole Epidemic (June 23-May 10); (b) in each wave of the Epidemic (June 23-September 14, September 15-January 25, and January 26-May 10); and (c) in each week of the Epidemic Period.\*

(Deaths printed thus.—17,113; and Death-rates thus.—4·9.)

| Metropolitan Boroughs.  | Whole Period,<br>June 23-May 10. | First Wave,<br>12 weeks,<br>June 23-Sept. 14. | Second Wave,<br>19 weeks,<br>Sept. 15-Jan. 25. | Third Wave,<br>15 weeks,<br>Jan. 26-May 10. | Week ending |            |            |            |           |           |           |           |           |           |           |           |
|-------------------------|----------------------------------|---|--|---|-------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                         |                                  |   |  |   | June 29.    | July 6.    | July 13.   | July 20.   | July 27.  | Aug. 3.   | Aug. 10.  | Aug. 17.  | Aug. 24.  | Aug. 31.  | Sept. 7.  | Sept. 14. |
| LONDON (Admin. County). | 17,113<br>4·9                    | 997<br>1·1                                    | 12,330<br>8·6                                  | 3,786<br>3·3                                | 93<br>1·2   | 258<br>3·4 | 279<br>3·7 | 165<br>2·2 | 75<br>1·0 | 30<br>0·4 | 28<br>0·4 | 16<br>0·2 | 15<br>0·2 | 10<br>0·1 | 13<br>0·2 | 15<br>0·2 |
| City of London ...      | 53<br>3·8                        | 3<br>0·8                                      | 40<br>6·9                                      | 10<br>2·2                                   | —<br>—      | 1<br>3·3   | 2<br>6·6   | —<br>—     | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    |
| Battersea ...           | 766<br>5·8                       | 39<br>1·1                                     | 571<br>10·4                                    | 156<br>3·6                                  | 4<br>1·4    | 10<br>3·5  | 8<br>2·8   | 11<br>3·8  | 2<br>0·7  | —<br>—    | 1<br>0·3  | —<br>—    | 1<br>0·3  | —<br>—    | —<br>—    | 2<br>0·7  |
| Bermondsey ...          | 533<br>5·6                       | 31<br>1·2                                     | 404<br>10·2                                    | 98<br>3·1                                   | 3<br>1·4    | 10<br>4·8  | 9<br>4·3   | 5<br>2·4   | 2<br>1·0  | 1<br>0·5  | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    |
| Bethnal Green ...       | 501<br>5·5                       | 42<br>1·8                                     | 379<br>10·1                                    | 80<br>2·7                                   | —<br>—      | 13<br>6·6  | 15<br>7·6  | 9<br>4·5   | 2<br>1·0  | —<br>—    | —<br>—    | —<br>—    | 2<br>1·0  | —<br>—    | —<br>—    | 1<br>0·5  |
| Camberwell ...          | 1,052<br>5·1                     | 68<br>1·3                                     | 786<br>9·2                                     | 198<br>2·9                                  | 3<br>0·7    | 20<br>4·5  | 18<br>4·0  | 11<br>2·5  | 4<br>0·9  | 3<br>0·7  | 5<br>1·1  | 2<br>0·4  | 1<br>0·2  | —<br>—    | —<br>—    | 1<br>0·2  |
| Chelsea ...             | 303<br>6·1                       | 11<br>0·8                                     | 206<br>10·0                                    | 86<br>5·3                                   | —<br>0·9    | 4<br>3·7   | 2<br>1·8   | 3<br>2·8   | 1<br>0·9  | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    |
| Deptford ...            | 429<br>4·8                       | 19<br>0·8                                     | 341<br>9·2                                     | 69<br>2·4                                   | 4<br>2·0    | 6<br>3·1   | 7<br>3·6   | —<br>—     | —<br>—    | —<br>0·5  | —<br>—    | —<br>—    | —<br>0·5  | —<br>—    | —<br>—    | —<br>—    |
| Finsbury ...            | 320<br>5·5                       | 23<br>1·5                                     | 243<br>10·0                                    | 54<br>2·8                                   | 2<br>1·6    | 10<br>7·8  | 7<br>5·5   | 3<br>2·4   | —<br>—    | —<br>—    | 1<br>0·8  | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    |
| Fulham ...              | 618<br>4·9                       | 43<br>1·3                                     | 454<br>8·7                                     | 121<br>2·9                                  | 2<br>0·7    | 7<br>2·5   | 17<br>6·2  | 8<br>2·9   | 2<br>0·7  | 3<br>1·1  | —<br>—    | —<br>—    | —<br>—    | 1<br>0·4  | —<br>—    | 3<br>1·1  |
| Greenwich ...           | 426<br>5·4                       | 36<br>1·7                                     | 318<br>9·7                                     | 72<br>2·8                                   | 4<br>2·3    | 8<br>4·6   | 12<br>7·0  | 7<br>4·1   | 2<br>1·2  | 1<br>0·6  | —<br>—    | —<br>—    | 1<br>0·6  | —<br>—    | —<br>—    | —<br>0·6  |
| Hackney ...             | 871<br>5·0                       | 53<br>1·2                                     | 671<br>9·4                                     | 147<br>2·6                                  | 7<br>1·9    | 15<br>1·6  | 9<br>4·0   | 6<br>2·4   | 3<br>1·6  | 3<br>0·8  | 2<br>0·8  | 1<br>0·5  | —<br>0·3  | —<br>—    | 1<br>0·3  | —<br>—    |
| Hammersmith ...         | 395<br>3·9                       | 19<br>0·7                                     | 276<br>6·5                                     | 100<br>3·0                                  | —<br>—      | 8<br>3·6   | 6<br>2·7   | 2<br>0·9   | —<br>—    | 1<br>0·5  | 1<br>0·5  | 1<br>0·5  | —<br>—    | —<br>—    | —<br>—    | —<br>—    |
| Hampstead ...           | 244<br>3·9                       | 8<br>0·5                                      | 153<br>5·8                                     | 83<br>4·0                                   | 4<br>2·9    | —<br>—     | —<br>—     | 3<br>2·2   | —<br>—    | —<br>—    | 1<br>0·7  | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    |
| Holborn ...             | 182<br>5·6                       | 8<br>0·9                                      | 129<br>9·6                                     | 45<br>4·3                                   | —<br>—      | 1<br>1·4   | 3<br>4·3   | 2<br>2·8   | 1<br>1·4  | —<br>—    | 1<br>1·4  | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    |
| Islington ...           | 1,251<br>5·0                     | 70<br>1·1                                     | 863<br>8·3                                     | 318<br>3·9                                  | 7<br>1·3    | 16<br>2·9  | 19<br>3·5  | 16<br>2·9  | 5<br>0·9  | 2<br>0·4  | 3<br>0·5  | —<br>—    | —<br>—    | —<br>—    | 1<br>0·2  | 1<br>0·2  |
| Kensington ...          | 469<br>3·4                       | 26<br>0·7                                     | 311<br>5·5                                     | 132<br>3·0                                  | 5<br>1·7    | 5<br>1·7   | 4<br>1·3   | 3<br>2·0   | —<br>1·0  | —<br>—    | —<br>—    | —<br>—    | —<br>—    | 1<br>0·3  | 2<br>0·7  | —<br>—    |
| Lambeth ...             | 1,095<br>4·7                     | 72<br>1·2                                     | 770<br>8·1                                     | 253<br>3·4                                  | 3<br>0·6    | 15<br>3·0  | 13<br>2·6  | 16<br>3·2  | 11<br>2·2 | 4<br>0·8  | 2<br>0·4  | 3<br>0·6  | 1<br>0·2  | 2<br>0·4  | 2<br>0·4  | —<br>—    |
| Lewisham ...            | 553<br>4·1                       | 18<br>0·5                                     | 411<br>7·4                                     | 124<br>2·8                                  | 4<br>1·4    | 6<br>2·1   | 4<br>1·4   | —<br>—     | —<br>—    | 1<br>0·3  | 1<br>0·3  | 1<br>0·3  | 1<br>0·3  | —<br>—    | —<br>—    | —<br>—    |
| Paddington ...          | 507<br>4·9                       | 24<br>0·9                                     | 338<br>7·9                                     | 145<br>4·3                                  | 2<br>0·9    | 6<br>2·7   | 7<br>3·1   | 4<br>1·8   | 2<br>0·9  | —<br>—    | —<br>—    | 2<br>0·9  | —<br>—    | —<br>—    | —<br>—    | 1<br>0·4  |
| Poplar ...              | 661<br>5·4                       | 35<br>1·1                                     | 504<br>9·9                                     | 122<br>3·0                                  | 3<br>1·1    | 10<br>3·7  | 6<br>2·2   | 8<br>3·0   | 3<br>1·1  | 3<br>1·1  | —<br>—    | —<br>—    | 2<br>0·7  | —<br>—    | —<br>—    | —<br>—    |
| St. Marylebone ...      | 411<br>4·7                       | 24<br>1·1                                     | 277<br>7·7                                     | 110<br>3·9                                  | 1<br>0·5    | 8<br>4·2   | 8<br>4·2   | 3<br>1·6   | 2<br>1·1  | —<br>—    | 1<br>0·5  | —<br>—    | —<br>—    | —<br>0·5  | —<br>—    | —<br>—    |
| St. Pancras ...         | 961<br>6·2                       | 59<br>1·5                                     | 669<br>10·4                                    | 233<br>4·6                                  | 4<br>1·2    | 12<br>3·6  | 19<br>5·6  | 6<br>1·8   | 5<br>1·5  | 1<br>0·3  | 1<br>0·3  | 2<br>0·6  | —<br>—    | 3<br>0·9  | 4<br>1·2  | 2<br>0·6  |
| Shoreditch...           | 400<br>5·2                       | 22<br>1·1                                     | 278<br>8·7                                     | 100<br>4·0                                  | 2<br>1·2    | 4<br>2·4   | 11<br>6·5  | 2<br>1·2   | 2<br>1·2  | 1<br>0·6  | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    |
| Southwark ...           | 731<br>5·1                       | 51<br>1·4                                     | 544<br>9·2                                     | 136<br>2·9                                  | 8<br>2·6    | 21<br>6·8  | 11<br>3·5  | 6<br>1·9   | 2<br>0·6  | 1<br>0·3  | 1<br>0·3  | 1<br>0·3  | —<br>—    | —<br>—    | —<br>—    | —<br>—    |
| Stepney ...             | 901<br>4·4                       | 72<br>1·4                                     | 669<br>7·9                                     | 160<br>2·4                                  | 5<br>1·1    | 15<br>3·4  | 25<br>5·6  | 12<br>2·7  | 8<br>1·8  | 2<br>0·5  | —<br>—    | 2<br>0·5  | 2<br>0·5  | —<br>—    | —<br>—    | 1<br>0·2  |
| Stoke Newington...      | 169<br>4·3                       | 11<br>1·1                                     | 114<br>7·1                                     | 44<br>3·5                                   | —<br>—      | 4<br>4·7   | 2<br>2·4   | —<br>—     | 1<br>1·2  | —<br>—    | 1<br>1·2  | —<br>—    | —<br>—    | 1<br>1·2  | 1<br>1·2  | 1<br>1·2  |
| Wandsworth ...          | 1,147<br>4·4                     | 51<br>0·8                                     | 812<br>7·6                                     | 284<br>3·4                                  | 9<br>1·6    | 14<br>2·5  | 13<br>2·3  | 7<br>1·2   | 2<br>0·4  | 1<br>0·2  | 3<br>0·5  | —<br>—    | 1<br>0·2  | —<br>—    | —<br>0·2  | —<br>—    |
| Westminster ...         | 584<br>5·2                       | 32<br>1·1                                     | 361<br>7·8                                     | 191<br>5·3                                  | 5<br>2·1    | 8<br>3·3   | 8<br>3·3   | 2<br>0·8   | 3<br>1·2  | 1<br>0·4  | 1<br>0·4  | —<br>—    | 1<br>0·4  | 1<br>0·4  | 1<br>0·4  | 1<br>0·4  |
| Woolwich ...            | 580<br>4·9                       | 27<br>0·9                                     | 438<br>8·9                                     | 115<br>3·0                                  | 1<br>0·4    | 10<br>3·9  | 8<br>3·1   | 4<br>1·6   | 4<br>1·6  | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    |

\* The deaths shown in this table refer, from October 1st onwards, to all deaths to which influenza was recorded as contributing, whether the death has been assigned to influenza or not. (See Table XV., page 32.)



TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued*.

| Metropolitan<br>Boroughs.  | Week ending |           |           |            |            |               |               |               |               |               |             |            |            |            |            |           |           |
|----------------------------|-------------|-----------|-----------|------------|------------|---------------|---------------|---------------|---------------|---------------|-------------|------------|------------|------------|------------|-----------|-----------|
|                            | Sept. 21.   | Sept. 28. | Oct. 5.   | Oct. 12.   | Oct. 19.   | Oct. 26.      | Nov. 2.       | Nov. 9.       | Nov. 16.      | Nov. 23.      | Nov. 30.    | Dec. 7.    | Dec. 14.   | Dec. 21.   | Dec. 28.   | Jan. 4.   | Jan. 11.  |
| LONDON (Admin.<br>County). | 13<br>0·2   | 17<br>0·2 | 25<br>0·3 | 110<br>1·5 | 519<br>6·8 | 1,579<br>20·8 | 2,651<br>35·0 | 2,413<br>31·8 | 1,588<br>20·9 | 1,160<br>15·3 | 918<br>12·1 | 597<br>7·9 | 262<br>3·5 | 165<br>2·2 | 102<br>1·3 | 72<br>0·9 | 59<br>0·8 |
| City of London...          | —           | —         | —         | —          | 5<br>16·4  | 6<br>19·7     | 7<br>23·0     | 5<br>16·4     | 4<br>13·1     | 3<br>9·8      | 5<br>16·4   | 2<br>6·6   | 1<br>3·3   | —          | 2<br>6·6   | —         | —         |
| Battersea ...              | 1<br>0·3    | —         | —         | 2<br>0·7   | 36<br>12·5 | 100<br>34·8   | 152<br>52·9   | 118<br>41·0   | 53<br>18·4    | 41<br>14·3    | 28<br>9·7   | 14<br>4·9  | 11<br>3·8  | 4<br>1·4   | 6<br>2·1   | —         | 3<br>1·0  |
| Bermondsey ...             | —           | —         | —         | 1<br>0·5   | 7<br>3·4   | 37<br>17·8    | 71<br>34·2    | 85<br>40·9    | 78<br>37·5    | 56<br>26·9    | 31<br>14·9  | 26<br>12·5 | 5<br>2·4   | 1<br>0·5   | 2<br>1·0   | 1<br>0·5  | —         |
| Bethnal Green ...          | —           | —         | —         | 1<br>0·5   | 12<br>6·1  | 50<br>25·2    | 86<br>43·4    | 94<br>47·4    | 56<br>28·2    | 34<br>17·1    | 13<br>10·6  | 3<br>6·6   | 2<br>1·5   | 3<br>1·0   | 3<br>1·5   | 3<br>1·5  | —         |
| Camberwell ...             | 1<br>0·2    | 2<br>0·4  | 1<br>0·2  | 6<br>1·3   | 17<br>3·8  | 84<br>18·7    | 164<br>36·6   | 162<br>36·1   | 125<br>27·9   | 71<br>15·8    | 57<br>12·7  | 39<br>8·7  | 31<br>6·9  | 13<br>2·9  | 6<br>1·3   | 2<br>0·4  | 2<br>0·4  |
| Chelsea ...                | 1<br>0·9    | —         | —         | 2<br>1·8   | 5<br>4·6   | 14<br>12·9    | 34<br>31·3    | 44<br>40·4    | 33<br>30·3    | 22<br>20·2    | 19<br>17·5  | 12<br>11·0 | 4<br>3·7   | 7<br>6·4   | 4<br>3·7   | 4<br>3·7  | —         |
| Deptford ...               | —           | —         | 1<br>0·5  | 5<br>2·6   | 17<br>8·7  | 38<br>19·4    | 83<br>42·4    | 76<br>38·8    | 49<br>25·0    | 30<br>15·3    | 15<br>7·7   | 6<br>7·7   | 2<br>3·1   | 1<br>1·0   | 1<br>0·5   | 1<br>0·5  | 1<br>0·5  |
| Finsbury ...               | —           | —         | —         | 1<br>0·8   | 10<br>7·8  | 19<br>14·9    | 48<br>37·6    | 73<br>57·3    | 35<br>27·5    | 30<br>23·5    | 12<br>9·4   | 9<br>7·1   | 4<br>3·1   | —          | —          | 1<br>0·8  | 1<br>0·8  |
| Fulham ...                 | 1<br>0·4    | 1<br>0·4  | —         | 3<br>1·1   | 15<br>5·5  | 28<br>10·2    | 96<br>34·9    | 110<br>40·0   | 73<br>26·6    | 48<br>17·5    | 30<br>10·9  | 23<br>8·4  | 7<br>2·5   | 2<br>0·7   | 6<br>2·2   | 3<br>1·1  | 3<br>1·1  |
| Greenwich ...              | —           | 1<br>0·6  | 2<br>1·2  | 2<br>1·2   | 18<br>10·4 | 56<br>32·5    | 81<br>47·0    | 57<br>33·0    | 38<br>22·0    | 18<br>10·4    | 19<br>11·0  | 13<br>7·5  | 3<br>1·7   | 2<br>1·2   | —          | 4<br>2·3  | —         |
| Hackney ...                | —           | —         | 1<br>0·3  | 11<br>2·9  | 35<br>9·3  | 107<br>28·5   | 190<br>50·6   | 123<br>32·8   | 56<br>14·9    | 52<br>13·8    | 54<br>14·4  | 15<br>4·0  | 11<br>2·9  | 4<br>1·1   | 4<br>1·1   | 3<br>0·5  | 2<br>0·5  |
| Hammersmith ...            | —           | —         | —         | 1<br>0·5   | 7<br>3·2   | 28<br>12·6    | 50<br>22·5    | 53<br>23·9    | 41<br>18·5    | 29<br>13·1    | 39<br>17·6  | 12<br>5·4  | 8<br>3·6   | 4<br>1·8   | 1<br>0·5   | 2<br>0·9  | 1<br>0·5  |
| Hampstead ...              | —           | —         | —         | 1<br>0·7   | 7<br>5·1   | 14<br>10·2    | 27<br>19·6    | 28<br>20·3    | 16<br>11·6    | 21<br>15·3    | 14<br>10·2  | 9<br>6·5   | 7<br>5·1   | 3<br>2·2   | 1<br>0·7   | —         | 1<br>0·7  |
| Holborn ...                | —           | 1<br>1·4  | —         | 1<br>1·4   | 5<br>7·1   | 8<br>11·3     | 22<br>31·2    | 30<br>42·6    | 25<br>35·5    | 9<br>12·8     | 15<br>21·3  | 5<br>7·1   | 3<br>4·3   | —          | 2<br>2·8   | 1<br>1·4  | 1<br>1·4  |
| Islington ...              | 1<br>0·2    | —         | 3<br>0·5  | 12<br>2·2  | 55<br>10·0 | 142<br>25·9   | 200<br>36·4   | 169<br>30·8   | 87<br>15·8    | 63<br>11·5    | 47<br>8·6   | 33<br>6·0  | 17<br>3·1  | 15<br>2·7  | 10<br>1·8  | —         | 4<br>0·7  |
| Kensington ...             | —           | —         | —         | —          | 9<br>3·0   | 22<br>7·4     | 64<br>21·6    | 52<br>17·5    | 42<br>14·1    | 47<br>15·8    | 33<br>11·1  | 21<br>7·1  | 9<br>3·0   | 6<br>2·0   | —          | 3<br>1·0  | 2<br>0·7  |
| Lambeth...                 | —           | —         | 1<br>0·2  | 5<br>1·0   | 22<br>4·4  | 87<br>17·3    | 124<br>24·7   | 145<br>28·8   | 95<br>18·9    | 91<br>18·1    | 92<br>18·3  | 59<br>11·7 | 23<br>4·6  | 11<br>2·2  | 5<br>1·6   | 2<br>0·4  | 3<br>0·6  |
| Lewisham ...               | —           | —         | 1<br>0·3  | 7<br>2·0   | 23<br>4·7  | 69<br>12·9    | 117<br>23·7   | 67<br>40·2    | 51<br>23·0    | 28<br>17·5    | 16<br>9·6   | 12<br>5·5  | 4<br>4·1   | 4<br>1·4   | —          | —         | 2<br>0·7  |
| Paddington ...             | 1<br>0·4    | 1<br>0·4  | —         | 4<br>1·8   | 15<br>6·7  | 32<br>14·2    | 76<br>33·7    | 67<br>29·7    | 36<br>16·0    | 27<br>12·0    | 30<br>13·3  | 12<br>5·3  | 16<br>7·1  | 9<br>4·0   | 1<br>0·4   | 5<br>2·2  | 4<br>1·8  |
| Poplar ...                 | —           | —         | 1<br>0·4  | 2<br>0·7   | 19<br>7·1  | 66<br>24·7    | 113<br>42·2   | 115<br>43·0   | 68<br>25·4    | 41<br>15·3    | 29<br>10·8  | 25<br>9·3  | 6<br>2·2   | 7<br>2·6   | 2<br>2·6   | 1<br>0·7  | 1<br>0·4  |
| St. Marylebone...          | —           | —         | 1<br>0·5  | 12<br>0·5  | 24<br>6·3  | 48<br>12·7    | 47<br>25·4    | 34<br>24·9    | 34<br>18·0    | 24<br>18·0    | 22<br>11·6  | 26<br>13·8 | 8<br>4·2   | 6<br>3·2   | 3<br>1·6   | 3<br>1·6  | 3<br>1·6  |
| St. Pancras ...            | 1<br>0·3    | 3<br>0·9  | 6<br>1·8  | 9<br>2·7   | 48<br>14·2 | 122<br>36·2   | 142<br>42·1   | 110<br>32·6   | 60<br>17·8    | 52<br>15·4    | 47<br>13·9  | 27<br>8·0  | 11<br>3·3  | 13<br>3·9  | 10<br>3·0  | 2<br>0·6  | 4<br>1·2  |
| Shoreditch ...             | —           | —         | —         | 2<br>1·2   | 7<br>4·2   | 36<br>21·4    | 62<br>36·9    | 56<br>33·3    | 42<br>25·0    | 22<br>13·1    | 16<br>9·5   | 18<br>10·7 | 5<br>3·0   | 4<br>2·4   | 1<br>0·6   | 2<br>1·2  | 4<br>2·4  |
| Southwark ...              | 1<br>0·3    | —         | 1<br>0·3  | 3<br>1·0   | 16<br>5·2  | 41<br>13·2    | 99<br>31·9    | 113<br>36·4   | 92<br>29·6    | 64<br>20·6    | 38<br>12·2  | 34<br>10·9 | 17<br>5·5  | 7<br>2·3   | 6<br>1·9   | 4<br>1·3  | 3<br>1·0  |
| Stepney ...                | 2<br>0·5    | 2<br>0·5  | 2<br>0·5  | 9<br>2·0   | 17<br>3·8  | 67<br>15·1    | 119<br>26·9   | 127<br>28·7   | 110<br>24·8   | 85<br>19·2    | 48<br>10·8  | 39<br>8·8  | 10<br>2·3  | 12<br>2·7  | 4<br>0·9   | 7<br>1·6  | 3<br>0·7  |
| Stoke Newington            | —           | 2<br>2·4  | —         | 3<br>3·5   | 7<br>8·3   | 29<br>34·2    | 27<br>31·8    | 19<br>22·4    | 10<br>11·8    | 5<br>5·9      | 5<br>5·9    | 3<br>3·5   | 2<br>2·4   | 2<br>2·4   | —          | —         | —         |
| Wandsworth ...             | 1<br>0·2    | 1<br>0·2  | 1<br>0·2  | 8<br>1·4   | 34<br>6·1  | 105<br>18·7   | 191<br>34·1   | 154<br>27·5   | 106<br>18·9   | 58<br>10·3    | 64<br>11·4  | 36<br>6·4  | 16<br>2·9  | 14<br>2·5  | 7<br>1·2   | 10<br>1·8 | 3<br>0·5  |
| Westminster ...            | 1<br>0·4    | 1<br>0·4  | —         | 5<br>2·1   | 5<br>2·1   | 31<br>12·8    | 39<br>16·1    | 45<br>18·6    | 46<br>19·0    | 60<br>24·8    | 58<br>24·0  | 32<br>13·2 | 12<br>5·0  | 5<br>2·1   | 2<br>0·8   | 5<br>2·1  | 7<br>2·9  |
| Woolwich ...               | —           | 1<br>0·4  | 4<br>1·6  | 3<br>1·2   | 34<br>13·2 | 117<br>45·4   | 119<br>46·1   | 69<br>26·8    | 27<br>10·5    | 19<br>7·4     | 14<br>5·4   | 13<br>5·0  | 2<br>0·8   | 6<br>2·3   | 4<br>1·6   | 2<br>0·8  | 1<br>0·4  |

TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued*.

| Metropolitan<br>Boroughs.  | Week ending |           |           |            |            |            |             |            |            |            |            |            |           |           |           |           |           |
|----------------------------|-------------|-----------|-----------|------------|------------|------------|-------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|
|                            | Jan. 18.    | Jan. 25.  | Feb. 1.   | Feb. 8.    | Feb. 15.   | Feb. 22.   | Mar. 1.     | Mar. 8.    | Mar. 15.   | Mar. 22.   | Mar. 29.   | Apl. 5.    | Apl. 12.  | Apl. 19.  | Apl. 26.  | May 3.    | May 10.   |
| LONDON (Admin.<br>County). | 44<br>0·6   | 36<br>0·5 | 68<br>0·9 | 123<br>1·6 | 368<br>4·9 | 729<br>9·6 | 825<br>10·9 | 590<br>7·8 | 359<br>4·7 | 216<br>2·8 | 119<br>1·6 | 106<br>1·4 | 91<br>1·2 | 81<br>1·1 | 44<br>0·6 | 40<br>0·5 | 27<br>0·4 |
| City of London...          | —           | —         | —         | 1<br>3·3   | 1<br>3·3   | 2<br>6·6   | 2<br>6·6    | 2<br>6·6   | —          | 1<br>3·3   | —          | 1<br>3·3   | —         | —         | —         | —         | —         |
| Battersea ...              | 2<br>0·7    | —         | 1<br>0·3  | 3<br>1·0   | 14<br>4·9  | 37<br>12·9 | 37<br>12·9  | 27<br>9·4  | 16<br>5·6  | 7<br>2·4   | 5<br>1·7   | 3<br>1·0   | 3<br>1·0  | 2<br>0·7  | 1<br>0·3  | —         | —         |
| Bermondsey ...             | 1<br>0·5    | 2<br>1·0  | 1<br>0·5  | 3<br>1·4   | 7<br>3·4   | 21<br>10·1 | 25<br>12·0  | 19<br>9·1  | 12<br>5·8  | 4<br>1·9   | 3<br>1·4   | 1<br>0·5   | —         | 1<br>0·5  | —         | —         | 1<br>0·5  |
| Bethnal Green ...          | —           | 1<br>0·5  | 1<br>0·5  | 1<br>0·5   | 6<br>3·0   | 17<br>8·6  | 14<br>7·1   | 11<br>5·5  | 8<br>4·0   | 11<br>5·5  | 2<br>1·0   | 3<br>1·5   | 4<br>2·0  | 1<br>0·5  | —         | 1<br>0·5  | —         |
| Camberwell ...             | 1<br>0·2    | 2<br>0·4  | 3<br>0·7  | 4<br>0·9   | 20<br>4·5  | 36<br>8·0  | 42<br>9·4   | 25<br>5·6  | 21<br>4·7  | 10<br>2·2  | 13<br>2·9  | 7<br>1·6   | 4<br>0·9  | 5<br>1·1  | 3<br>0·7  | 3<br>0·7  | 2<br>0·4  |
| Chelsea ...                | —           | 1<br>0·9  | 2<br>1·8  | 2<br>1·8   | 5<br>4·6   | 19<br>17·5 | 15<br>13·8  | 17<br>15·6 | 11<br>10·1 | 5<br>4·6   | 2<br>1·8   | —          | 2<br>1·8  | 3<br>2·8  | —         | 2<br>1·8  | 1<br>0·9  |
| Deptford ...               | 1<br>0·5    | —         | 1<br>0·5  | 2<br>1·0   | 7<br>3·6   | 13<br>6·6  | 15<br>7·7   | 13<br>6·6  | 3<br>1·5   | 4<br>2·0   | —          | 4<br>2·0   | 2<br>1·0  | 2<br>1·0  | 1<br>0·5  | 2<br>1·0  | —         |
| Finsbury ...               | —           | —         | 1<br>0·8  | 3<br>2·4   | 9<br>7·1   | 11<br>8·6  | 10<br>7·8   | 5<br>3·9   | 7<br>5·5   | 1<br>0·8   | 2<br>1·6   | 2<br>0·8   | 1<br>0·8  | 1<br>0·8  | —         | —         | —         |
| Fulham ...                 | 2<br>0·7    | 3<br>1·1  | 2<br>0·7  | 2<br>0·7   | 10<br>3·6  | 29<br>10·6 | 29<br>10·6  | 15<br>5·5  | 9<br>3·3   | 9<br>3·3   | 3<br>1·1   | 2<br>0·7   | 4<br>1·5  | 3<br>1·1  | 1<br>0·4  | 1<br>0·4  | 2<br>0·7  |
| Greenwich ...              | 3<br>1·7    | 1<br>0·6  | 1<br>0·6  | 4<br>2·3   | 5<br>2·9   | 8<br>4·6   | 19<br>11·0  | 17<br>9·9  | 5<br>2·9   | 2<br>1·2   | 2<br>1·2   | 1<br>0·6   | 1<br>0·6  | 1<br>0·6  | 4<br>2·3  | 1<br>0·6  | 1<br>0·6  |
| Hackney ...                | 3<br>0·8    | —         | 5<br>1·3  | 6<br>1·6   | 16<br>4·3  | 23<br>6·1  | 31<br>8·3   | 23<br>6·1  | 10<br>2·7  | 9<br>2·4   | 8<br>2·1   | 2<br>0·5   | 5<br>1·3  | 2<br>0·5  | 2<br>0·5  | 1<br>0·3  | 4<br>1·1  |
| Hammersmith ...            | —           | —         | —         | 2<br>0·9   | 8<br>3·6   | 25<br>11·3 | 23<br>10·4  | 12<br>5·4  | 11<br>5·0  | 7<br>3·2   | 4<br>1·8   | 1<br>0·5   | 2<br>0·9  | 2<br>0·9  | —         | 2<br>0·9  | 1<br>0·5  |
| Hampstead ...              | 2<br>1·5    | 2<br>1·5  | —         | 6<br>4·4   | 13<br>9·4  | 14<br>10·2 | 11<br>8·0   | 12<br>8·7  | 13<br>9·4  | 3<br>2·2   | 1<br>0·7   | 1<br>0·7   | 3<br>2·2  | 4<br>2·9  | 2<br>1·5  | —         | —         |
| Holborn ...                | —           | —         | 2<br>2·8  | 4<br>5·7   | 3<br>17·0  | 12<br>12·8 | 9<br>9·9    | 7<br>2·8   | 2<br>2·8   | —          | —          | 1<br>1·4   | 1<br>1·4  | 2<br>2·8  | —         | —         | —         |
| Islington ...              | 4<br>0·7    | 1<br>0·2  | 4<br>1·5  | 8<br>5·5   | 30<br>11·3 | 62<br>12·2 | 67<br>10·4  | 57<br>5·3  | 29<br>4·0  | 22<br>2·5  | 14<br>1·3  | 7<br>1·5   | 8<br>0·5  | 3<br>1·1  | 6<br>1·1  | 1<br>0·2  | —         |
| Kensington ...             | 1<br>0·3    | —         | 3<br>1·0  | 4<br>1·3   | 14<br>4·7  | 23<br>7·7  | 41<br>13·8  | 17<br>5·7  | 7<br>2·4   | 7<br>2·4   | 2<br>0·7   | 2<br>1·3   | 4<br>1·7  | 5<br>0·3  | 1<br>0·7  | 2<br>0·7  | —         |
| Lambeth ...                | 3<br>0·6    | 2<br>0·4  | 7<br>1·4  | 7<br>1·4   | 25<br>5·0  | 42<br>8·3  | 64<br>12·7  | 37<br>7·4  | 27<br>5·4  | 15<br>3·0  | 4<br>0·8   | 8<br>1·6   | 4<br>0·8  | 2<br>0·4  | 3<br>0·6  | 6<br>1·2  | 2<br>0·4  |
| Lewisham ...               | 3<br>1·0    | 3<br>1·0  | 3<br>1·0  | 5<br>1·7   | 10<br>3·4  | 18<br>6·2  | 34<br>11·7  | 16<br>5·5  | 9<br>3·1   | 7<br>2·4   | 4<br>1·4   | 5<br>1·7   | 3<br>1·0  | 6<br>2·1  | 1<br>0·3  | 2<br>0·7  | 1<br>0·3  |
| Paddington ...             | 1<br>0·4    | 1<br>0·4  | 4<br>1·8  | 8<br>3·5   | 16<br>7·1  | 25<br>11·1 | 30<br>13·3  | 21<br>9·3  | 7<br>3·1   | 11<br>4·9  | 5<br>2·2   | 7<br>3·1   | 2<br>0·9  | 3<br>1·3  | 2<br>0·9  | 3<br>1·3  | 1<br>0·4  |
| Poplar ...                 | 1<br>0·4    | 1<br>0·4  | 2<br>0·7  | 6<br>2·2   | 10<br>3·7  | 20<br>7·5  | 24<br>9·0   | 19<br>7·1  | 14<br>5·2  | 7<br>2·6   | 5<br>1·9   | 3<br>1·1   | 1<br>0·4  | 1<br>1·9  | 1<br>1·5  | —         | —         |
| St. Marylebone...          | 3<br>1·6    | 2<br>1·1  | 2<br>1·1  | 5<br>2·6   | 14<br>7·4  | 27<br>14·3 | 22<br>11·6  | 9<br>4·8   | 10<br>5·3  | 11<br>5·8  | 3<br>1·6   | 3<br>1·6   | 2<br>1·1  | 1<br>0·5  | 1<br>0·5  | —         | —         |
| St. Pancras ...            | 1<br>0·3    | 1<br>0·3  | 4<br>1·2  | 8<br>2·4   | 30<br>8·9  | 46<br>13·6 | 52<br>15·4  | 33<br>9·8  | 21<br>6·2  | 9<br>2·7   | 7<br>2·1   | 6<br>1·8   | 3<br>0·9  | 6<br>1·8  | 3<br>0·9  | 3<br>0·9  | 2<br>0·6  |
| Shoreditch ...             | —           | 1<br>0·6  | 1<br>0·6  | 4<br>2·4   | 7<br>4·2   | 16<br>9·5  | 18<br>10·7  | 22<br>13·1 | 9<br>5·4   | 6<br>3·6   | 5<br>3·0   | 7<br>4·2   | 3<br>1·8  | 2<br>1·2  | —         | —         | —         |
| Southwark ...              | 5<br>1·6    | —         | 2<br>0·6  | 3<br>1·0   | 19<br>6·1  | 20<br>6·4  | 28<br>9·0   | 23<br>7·4  | 17<br>5·5  | 9<br>2·9   | 4<br>1·3   | 4<br>1·3   | 1<br>0·3  | 2<br>0·6  | —         | 2<br>0·6  | 2<br>0·6  |
| Stepney ...                | 1<br>0·2    | 5<br>1·1  | 7<br>1·6  | 3<br>0·7   | 7<br>1·6   | 38<br>8·6  | 26<br>5·9   | 30<br>6·8  | 16<br>3·6  | 5<br>1·1   | 5<br>1·1   | 4<br>0·9   | 6<br>1·4  | 9<br>2·0  | 4<br>0·9  | —         | —         |
| Stoke Newington            | —           | —         | —         | —          | —          | 9<br>10·6  | 12<br>14·2  | 5<br>5·9   | 12<br>14·2 | 1<br>1·2   | 2<br>2·4   | 2<br>2·4   | 1<br>1·2  | —         | —         | —         | —         |
| Wandsworth ...             | 1<br>0·2    | 2<br>0·4  | 4<br>0·7  | 9<br>1·6   | 26<br>4·6  | 50<br>8·9  | 55<br>9·8   | 29<br>11·1 | 19<br>5·2  | 19<br>3·4  | 4<br>0·7   | 8<br>1·4   | 8<br>1·4  | 1<br>0·2  | 2<br>0·4  | 3<br>0·5  | 4<br>0·7  |
| Westminster ...            | 3<br>1·2    | 4<br>1·7  | 4<br>1·7  | 7<br>2·9   | 24<br>9·9  | 38<br>15·7 | 44<br>18·2  | 24<br>9·9  | 14<br>5·8  | 9<br>3·7   | 5<br>2·1   | 4<br>1·7   | 9<br>3·7  | 4<br>1·7  | 1<br>0·4  | 1<br>0·4  | 3<br>1·2  |
| Woolwich ...               | 2<br>0·8    | 1<br>0·4  | 1<br>0·4  | 3<br>1·2   | 12<br>4·7  | 28<br>10·9 | 26<br>10·1  | 10<br>3·9  | 10<br>3·9  | 3<br>1·2   | 7<br>2·7   | 2<br>0·8   | 4<br>1·6  | 7<br>2·7  | —         | 2<br>0·8  | —         |



TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued.*

| County Boroughs.      | Whole Period,<br>June 23-May 10. | First Wave,<br>12 weeks,<br>June 23-Sept. 14. | Second Wave,<br>19 weeks,<br>Sept. 15-Jan. 25. | Third Wave,<br>15 weeks,<br>Jan. 26-May 10. | Week ending |            |            |           |           |           |          |          |          |          |          |           |
|-----------------------|----------------------------------|---|--|---|-------------|------------|------------|-----------|-----------|-----------|----------|----------|----------|----------|----------|-----------|
|                       |                                  |   |  |   | June 29.    | July 6.    | July 13.   | July 20.  | July 27.  | Aug. 3.   | Aug. 10. | Aug. 17. | Aug. 24. | Aug. 31. | Sept. 7. | Sept. 14. |
| Barnsley ...          | 349<br>8.3                       | 35<br>3.2                                     | 213<br>12.3                                    | 101<br>7.4                                  | 1<br>1.1    | 8<br>8.8   | 8<br>8.8   | 6<br>6.6  | 4<br>4.4  | 4<br>4.4  | 1<br>1.1 | 3<br>3.3 | —        | —        | —        | —         |
| Barrow-in-Furness ... | 326<br>4.6                       | 27<br>1.5                                     | 204<br>7.0                                     | 95<br>4.1                                   | 2<br>1.3    | 5<br>3.3   | 5<br>3.3   | 8<br>5.2  | 2<br>1.3  | 1<br>0.7  | 2<br>1.3 | —        | 2<br>1.3 | —        | —        | —         |
| Bath ...              | 199<br>3.6                       | 7<br>0.5                                      | 145<br>6.3                                     | 47<br>2.6                                   | —           | 1<br>0.8   | —          | 1<br>0.8  | 1<br>0.8  | —         | 2<br>1.7 | 1<br>0.8 | 1<br>0.8 | —        | —        | —         |
| Birkenhead ...        | 636<br>5.3                       | 41<br>1.3                                     | 443<br>9.0                                     | 152<br>3.9                                  | —           | 8<br>3.1   | 7<br>2.7   | 8<br>3.1  | 9<br>3.5  | 5<br>1.9  | 1<br>0.4 | 2<br>0.8 | 1<br>0.4 | —        | —        | —         |
| Birmingham ...        | 3,163<br>4.1                     | 332<br>1.7                                    | 1,880<br>6.0                                   | 951<br>3.8                                  | 19<br>1.1   | 114<br>6.9 | 115<br>6.9 | 51<br>3.1 | 14<br>0.8 | 4<br>0.2  | 3<br>0.2 | 4<br>0.2 | 4<br>0.2 | 2<br>0.1 | 2<br>0.1 | —         |
| Blackburn ...         | 521<br>5.3                       | 66<br>2.6                                     | 278<br>6.8                                     | 177<br>5.5                                  | 2<br>0.9    | 6<br>2.8   | 21<br>9.8  | 15<br>7.0 | 13<br>6.1 | 2<br>0.9  | 3<br>1.4 | —        | 3<br>1.4 | 1<br>0.5 | —        | —         |
| Blackpool ...         | 209<br>3.6                       | 18<br>1.2                                     | 111<br>4.7                                     | 80<br>4.3                                   | —           | 5<br>4.0   | 3<br>2.4   | 5<br>4.0  | —         | 1<br>0.8  | —        | 1<br>0.8 | 1<br>0.8 | 1<br>0.8 | —        | 1<br>0.8  |
| Bolton ...            | 679<br>4.8                       | 103<br>2.8                                    | 289<br>4.9                                     | 287<br>6.2                                  | 2<br>0.6    | 10<br>3.2  | 29<br>9.4  | 21<br>6.8 | 15<br>4.9 | 9<br>2.9  | 8<br>2.6 | 4<br>1.3 | 3<br>1.0 | —        | 1<br>0.3 | 1<br>0.3  |
| Bootle ...            | 358<br>5.8                       | 23<br>1.4                                     | 229<br>8.9                                     | 106<br>5.2                                  | —           | —          | 9<br>6.7   | 2<br>1.5  | 5<br>3.7  | 2<br>1.5  | —        | 2<br>1.5 | 1<br>0.7 | 1<br>0.7 | 1<br>0.7 | —         |
| Bournemouth ...       | 189<br>2.9                       | 7<br>0.4                                      | 104<br>3.8                                     | 78<br>3.6                                   | 1<br>0.7    | —          | —          | 1<br>0.7  | 1<br>0.7  | 1<br>0.7  | —        | —        | —        | 1<br>0.7 | —        | 2<br>1.4  |
| Bradford ...          | 1,316<br>5.7                     | 104<br>1.7                                    | 633<br>6.7                                     | 579<br>7.7                                  | 3<br>0.6    | 14<br>2.8  | 32<br>6.4  | 23<br>4.6 | 12<br>2.4 | 10<br>2.0 | 7<br>1.4 | 2<br>0.4 | —        | —        | 1<br>0.2 | —         |
| Brighton ...          | 526<br>4.9                       | 19<br>0.7                                     | 350<br>7.9                                     | 157<br>4.5                                  | —           | 4<br>1.7   | 2<br>0.9   | 3<br>1.3  | 5<br>2.1  | 2<br>0.9  | —        | —        | 1<br>0.4 | —        | 1<br>0.4 | 1<br>0.4  |
| Bristol ...           | 1,428<br>4.8                     | 80<br>1.0                                     | 1,004<br>8.1                                   | 344<br>3.5                                  | 1<br>0.2    | 6<br>0.9   | 14<br>2.2  | 21<br>3.2 | 15<br>2.3 | 13<br>2.0 | 3<br>0.5 | 3<br>0.5 | —        | 1<br>0.2 | 1<br>0.2 | 2<br>0.3  |
| Burnley ...           | 354<br>4.4                       | 69<br>3.3                                     | 199<br>6.0                                     | 86<br>3.3                                   | 6<br>3.4    | 32<br>18.4 | 16<br>9.2  | 7<br>4.0  | 2<br>1.1  | —         | 1<br>0.6 | 1<br>0.6 | 3<br>1.7 | —        | —        | 1<br>0.6  |
| Burton-upon-Trent ... | 249<br>6.7                       | 10<br>1.0                                     | 209<br>13.6                                    | 30<br>2.5                                   | —           | 1<br>1.2   | —          | 2<br>2.5  | 2<br>2.5  | 1<br>1.2  | —        | —        | 3<br>3.7 | —        | —        | 1<br>1.2  |
| Bury ...              | 262<br>5.8                       | 32<br>2.7                                     | 107<br>5.8                                     | 123<br>8.4                                  | 5<br>5.1    | 11<br>11.2 | 9<br>9.2   | 4<br>4.1  | —         | 2<br>2.0  | —        | —        | —        | 1<br>1.0 | —        | —         |
| Canterbury ...        | 104<br>5.3                       | 2<br>0.4                                      | 77<br>9.4                                      | 25<br>3.9                                   | —           | 1<br>2.3   | —          | 1<br>2.3  | —         | —         | —        | —        | —        | —        | —        | —         |
| Carlisle ...          | 154<br>3.3                       | 30<br>2.4                                     | 88<br>4.5                                      | 36<br>2.3                                   | 2<br>1.9    | 9<br>8.7   | 12<br>11.7 | 2<br>1.9  | 1<br>1.0  | 1<br>1.0  | —        | —        | —        | —        | 3<br>2.9 | —         |
| Chester ...           | 135<br>4.0                       | 20<br>2.2                                     | 79<br>5.6                                      | 36<br>3.2                                   | —           | 5<br>6.7   | 5<br>8.1   | 2<br>6.7  | 1<br>2.7  | 1<br>1.3  | —        | —        | —        | 1<br>1.3 | —        | —         |
| Coventry ...          | 494<br>4.1                       | 25<br>0.8                                     | 445<br>9.0                                     | 24<br>0.6                                   | —           | 5<br>1.9   | 10<br>3.9  | 7<br>2.7  | 2<br>0.8  | —         | 1<br>0.4 | —        | —        | —        | —        | —         |
| Croydon ...           | 607<br>4.1                       | 33<br>0.9                                     | 458<br>7.5                                     | 116<br>2.4                                  | 2<br>0.6    | 11<br>3.4  | 11<br>3.4  | 3<br>0.9  | 1<br>0.3  | 2<br>0.6  | —        | —        | 1<br>0.3 | —        | 2<br>0.6 | —         |
| Darlington ...        | 268<br>5.0                       | 39<br>2.8                                     | 132<br>6.0                                     | 97<br>5.6                                   | —           | 7<br>6.1   | 18<br>15.6 | 6<br>5.2  | 4<br>3.5  | —         | 1<br>0.9 | 1<br>0.9 | —        | 1<br>0.9 | —        | 1<br>0.9  |
| Derby ...             | 499<br>4.8                       | 34<br>1.2                                     | 350<br>8.1                                     | 115<br>3.4                                  | 1<br>0.4    | 12<br>0.4  | 9<br>5.3   | 4<br>4.0  | 3<br>1.8  | 2<br>1.3  | 2<br>0.9 | —        | —        | 1<br>0.4 | 1<br>0.4 | —         |
| Dewsbury ...          | 270<br>6.5                       | 29<br>2.7                                     | 161<br>9.4                                     | 80<br>5.9                                   | 1<br>1.1    | 7<br>7.8   | 8<br>8.9   | 8<br>8.9  | 1<br>1.1  | —         | 2<br>2.2 | —        | 1<br>1.1 | —        | 1<br>1.1 | —         |
| Dudley ...            | 165<br>3.6                       | 24<br>2.0                                     | 111<br>5.9                                     | 30<br>2.0                                   | 1<br>1.0    | 3<br>3.0   | 9<br>9.1   | 5<br>5.0  | 2<br>2.9  | —         | —        | 1<br>1.0 | —        | —        | 3<br>3.0 | —         |
| Eastbourne ...        | 161<br>3.7                       | 8<br>0.7                                      | 91<br>5.0                                      | 62<br>4.3                                   | —           | —          | 1<br>1.0   | 1<br>1.0  | 1<br>1.0  | —         | 3<br>3.1 | —        | 1<br>1.0 | 1<br>1.0 | —        | —         |
| East Ham ...          | 566<br>5.0                       | 36<br>1.2                                     | 461<br>9.9                                     | 69<br>1.9                                   | 1<br>0.4    | 12<br>4.9  | 10<br>4.1  | 5<br>2.0  | 4<br>1.6  | 2<br>0.8  | 1<br>0.4 | —        | 1<br>0.4 | —        | —        | —         |
| Exeter ...            | 210<br>4.7                       | 4<br>0.3                                      | 132<br>7.2                                     | 74<br>5.1                                   | —           | 1<br>1.0   | 1<br>1.0   | —         | 1<br>1.0  | —         | —        | —        | —        | —        | —        | —         |
| Gateshead ...         | 420<br>4.1                       | 54<br>2.0                                     | 211<br>4.9                                     | 155<br>4.6                                  | 1<br>0.4    | 9<br>4.0   | 21<br>9.3  | 16<br>7.1 | 3<br>1.3  | 3<br>1.3  | 1<br>0.4 | —        | —        | —        | —        | —         |
| Gloucester ...        | 224<br>5.4                       | 15<br>1.4                                     | 151<br>8.7                                     | 58<br>4.3                                   | —           | —          | —          | 3<br>3.3  | 1<br>1.1  | 5<br>5.5  | 2<br>2.2 | 1<br>1.1 | 1<br>1.1 | 2<br>2.2 | —        | —         |
| Great Yarmouth ...    | 240<br>6.0                       | 12<br>1.2                                     | 154<br>9.3                                     | 74<br>5.7                                   | 1<br>1.2    | 1<br>1.2   | 4<br>4.6   | 4<br>4.6  | —         | —         | —        | 1<br>1.2 | —        | —        | —        | 1<br>1.2  |
| Grimsby ...           | 271<br>4.5                       | 24<br>1.5                                     | 192<br>7.8                                     | 55<br>2.8                                   | —           | 8<br>6.1   | 9<br>6.9   | 5<br>3.8  | —         | 2<br>1.5  | —        | —        | —        | —        | —        | —         |
| Halifax ...           | 368<br>4.5                       | 30<br>1.4                                     | 247<br>7.2                                     | 91<br>3.4                                   | —           | 7<br>3.9   | 4<br>2.2   | 12<br>6.7 | 2<br>2.2  | 2<br>1.1  | —        | —        | 1<br>0.6 | —        | —        | —         |
| Hastings ...          | 193<br>4.2                       | 3<br>0.3                                      | 149<br>7.9                                     | 41<br>2.7                                   | —           | 1<br>1.0   | 1<br>1.0   | —         | —         | —         | —        | —        | —        | —        | —        | 1<br>1.0  |
| Huddersfield ...      | 378<br>4.1                       | 88<br>3.6                                     | 128<br>3.3                                     | 162<br>5.3                                  | 16<br>7.9   | 36<br>17.8 | 23<br>11.4 | 3<br>1.5  | 5<br>2.5  | 1<br>0.5  | 1<br>0.5 | 1<br>0.5 | 1<br>0.5 | 1<br>0.5 | —        | —         |
| Ipswich ...           | 269<br>4.2                       | 8<br>0.5                                      | 190<br>7.2                                     | 71<br>3.4                                   | —           | —          | —          | 1<br>0.7  | 4<br>2.9  | 1<br>0.7  | —        | 1<br>0.7 | —        | —        | —        | 1<br>0.7  |
| Kingston-upon-Hull    | 1,316<br>6.2                     | 88<br>1.6                                     | 920<br>10.4                                    | 308<br>4.4                                  | 7<br>1.5    | 17<br>3.7  | 28<br>6.0  | 23<br>5.0 | 3<br>0.6  | 5<br>1.1  | 2<br>0.4 | —        | 2<br>0.4 | 1<br>0.2 | —        | —         |
| Leeds ...             | 2,000<br>5.3                     | 172<br>1.7                                    | 1,271<br>8.2                                   | 557<br>4.5                                  | 15<br>1.8   | 54<br>6.6  | 51<br>6.2  | 23<br>2.8 | 11<br>1.3 | 2<br>0.2  | 4<br>0.2 | 4<br>0.5 | 4<br>0.5 | 4<br>0.5 | 1<br>0.1 | 1<br>0.1  |
| Leicester ...         | 1,204<br>6.7                     | 77<br>1.6                                     | 825<br>11.2                                    | 302<br>5.2                                  | 1<br>0.3    | 7<br>1.8   | 24<br>6.2  | 30<br>7.7 | 5<br>1.3  | —         | 5<br>1.3 | 1<br>0.3 | 2<br>0.5 | —        | 3<br>0.3 | 3<br>0.3  |
| Lincoln ...           | 243<br>4.6                       | 8<br>0.6                                      | 185<br>8.4                                     | 50<br>2.9                                   | —           | 1<br>0.9   | 3<br>2.6   | 3<br>2.6  | —         | —         | 1<br>0.9 | —        | —        | —        | —        | —         |
| Liverpool ...         | 2,673<br>4.3                     | 145<br>0.9                                    | 1,526<br>5.9                                   | 1,002<br>4.9                                | 4<br>0.3    | 15<br>1.1  | 40<br>3.0  | 30<br>2.2 | 12<br>2.3 | 3<br>0.9  | 3<br>0.2 | 3<br>0.2 | 1<br>0.1 | 5<br>0.4 | 1<br>0.1 | —         |
| Manchester ...        | 3,055<br>5.2                     | 333<br>2.2                                    | 1,731<br>7.1                                   | 986<br>5.1                                  | 16<br>1.3   | 83<br>6.5  | 113<br>8.8 | 74<br>5.8 | 26<br>2.0 | 8<br>0.6  | 3<br>0.2 | 3<br>0.2 | 4<br>0.3 | 3<br>0.2 | 3<br>0.2 | 2<br>0.2  |

TABLE XX.—INFLUENZA — Weekly Deaths and Death-rates in Administrative Areas—*continued.*

| County Boroughs.        | Whole Period,<br>June 23-May 10. | First Wave,<br>12 weeks,<br>June 23-Sept. 14. | Second Wave,<br>19 weeks,<br>Sept. 15-Jan. 25. | Third Wave,<br>15 weeks,<br>Jan. 26-May 10. | Week ending |            |            |            |           |          |          |          |          |          |          |           |
|-------------------------|----------------------------------|---|--|---|-------------|------------|------------|------------|-----------|----------|----------|----------|----------|----------|----------|-----------|
|                         |                                  |   |  |   | June 29.    | July 6.    | July 13.   | July 20.   | July 27.  | Aug. 3.  | Aug. 10. | Aug. 17. | Aug. 24. | Aug. 31. | Sept. 7. | Sept. 14. |
| Middlesbrough ...       | 516<br>5.1                       | 83<br>3.1                                     | 297<br>7.0                                     | 136<br>4.1                                  | 10<br>4.5   | 32<br>14.4 | 26<br>11.7 | 9<br>4.1   | 3<br>1.4  | —        | —        | 1<br>0.5 | —        | 1<br>0.5 | 1<br>0.5 | —         |
| Newcastle-upon-Tyne ... | 1,299<br>5.5                     | 127<br>2.1                                    | 577<br>6.0                                     | 595<br>7.8                                  | 5<br>1.0    | 30<br>5.9  | 45<br>8.8  | 28<br>5.5  | 11<br>2.2 | 5<br>1.0 | 1<br>0.2 | —        | —        | 2<br>0.4 | —        | —         |
| Newport (Mon.) ...      | 245<br>3.4                       | 28<br>1.5                                     | 118<br>4.0                                     | 99<br>4.2                                   | 1<br>0.6    | 3<br>1.9   | 4<br>2.6   | 7<br>2.6   | 4<br>4.5  | 2<br>2.6 | 2<br>1.3 | 1<br>0.6 | 2<br>1.3 | —        | —        | —         |
| Northampton ...         | 270<br>3.8                       | 8<br>0.4                                      | 206<br>7.0                                     | 56<br>2.4                                   | —           | 2<br>1.3   | 2<br>1.3   | —          | 1<br>0.6  | 3<br>1.9 | —        | —        | —        | —        | —        | —         |
| Norwich ...             | 415<br>4.4                       | 6<br>0.2                                      | 322<br>8.2                                     | 87<br>2.8                                   | —           | 1<br>0.5   | —          | 2<br>1.0   | 2<br>1.0  | —        | 1<br>0.5 | —        | —        | —        | —        | —         |
| Nottingham ...          | 1,396<br>6.7                     | 73<br>1.4                                     | 1,103<br>12.8                                  | 220<br>3.2                                  | 1<br>0.2    | 4<br>0.9   | 25<br>5.5  | 20<br>4.4  | 15<br>3.3 | 4<br>0.9 | 3<br>0.7 | 1<br>0.2 | —        | —        | —        | —         |
| Oldham ...              | 611<br>5.2                       | 103<br>3.4                                    | 366<br>7.5                                     | 142<br>3.7                                  | 3<br>1.2    | 27<br>10.6 | 41<br>16.0 | 21<br>8.2  | 2<br>0.8  | 4<br>1.6 | 3<br>1.2 | —        | —        | —        | 1<br>0.4 | 1<br>0.4  |
| Oxford ...              | 252<br>5.8                       | 11<br>1.0                                     | 214<br>11.9                                    | 27<br>1.9                                   | —           | —          | 3<br>3.2   | 2<br>2.1   | 3<br>3.2  | 1<br>1.1 | —        | 1<br>1.1 | 1<br>1.1 | —        | —        | —         |
| Plymouth ...            | 630<br>4.0                       | 48<br>1.2                                     | 443<br>6.8                                     | 139<br>2.7                                  | —           | 6<br>1.7   | 4<br>1.2   | 13<br>3.8  | 6<br>1.7  | 8<br>2.3 | 4<br>1.2 | 3<br>0.9 | 2<br>0.6 | —        | 1<br>0.3 | 1<br>0.3  |
| Portsmouth ...          | 896<br>5.0                       | 27<br>0.6                                     | 648<br>8.7                                     | 221<br>3.8                                  | 1<br>0.3    | 3<br>0.8   | 1<br>0.3   | 2<br>0.3   | 4<br>0.5  | 1<br>1.0 | 8<br>2.1 | —        | —        | 2<br>0.5 | —        | —         |
| Preston ...             | 543<br>5.8                       | 81<br>3.3                                     | 310<br>8.0                                     | 152<br>5.0                                  | —           | 29<br>14.3 | 15<br>7.4  | 14<br>6.9  | 7<br>3.4  | 2<br>1.0 | 2<br>1.0 | 1<br>0.5 | 5<br>2.5 | 1<br>0.5 | —        | 1<br>0.5  |
| Reading ...             | 317<br>4.4                       | 19<br>1.0                                     | 226<br>7.5                                     | 72<br>3.0                                   | 2<br>1.3    | 6<br>3.8   | 4<br>2.5   | 1<br>0.6   | 2<br>1.3  | 2<br>0.6 | 1<br>—   | —        | 1<br>0.6 | —        | —        | —         |
| Rochdale ...            | 398<br>5.5                       | 94<br>5.0                                     | 230<br>7.7                                     | 74<br>3.2                                   | 6<br>3.8    | 27<br>17.2 | 35<br>22.3 | 11<br>7.0  | 7<br>4.5  | 3<br>1.9 | —        | 2<br>1.3 | 1<br>0.6 | —        | 2<br>1.3 | —         |
| Rotherham ...           | 382<br>6.7                       | 17<br>1.1                                     | 282<br>12.0                                    | 83<br>4.5                                   | 3<br>2.4    | 5<br>4.0   | 7<br>5.7   | 2<br>1.6   | —         | —        | —        | —        | —        | —        | —        | —         |
| St. Helens ...          | 488<br>6.1                       | 41<br>2.0                                     | 270<br>8.2                                     | 177<br>6.8                                  | —           | 6<br>3.5   | 7<br>4.0   | 8<br>4.6   | 9<br>5.2  | 5<br>2.9 | 2<br>1.2 | 1<br>0.6 | 2<br>1.2 | —        | 1<br>0.6 | —         |
| Salford ...             | 994<br>5.4                       | 144<br>3.0                                    | 425<br>5.6                                     | 425<br>7.1                                  | 11<br>2.7   | 51<br>12.7 | 38<br>9.5  | 24<br>6.0  | 4<br>1.0  | 7<br>1.7 | 3<br>0.7 | 1<br>0.2 | 1<br>0.2 | 3<br>0.7 | —        | 1<br>0.2  |
| Sheffield ...           | 2,633<br>6.4                     | 205<br>1.9                                    | 1,972<br>11.6                                  | 456<br>3.4                                  | 15<br>1.7   | 56<br>6.3  | 68<br>7.6  | 33<br>3.7  | 15<br>1.7 | 5<br>0.6 | 4<br>0.4 | 2<br>0.2 | —        | 1<br>0.1 | 3<br>0.3 | 3<br>0.3  |
| Smethwick ...           | 306<br>5.1                       | 32<br>2.0                                     | 186<br>7.5                                     | 88<br>4.5                                   | —           | 12<br>9.2  | 11<br>8.4  | 1<br>0.8   | 2<br>1.5  | 1<br>0.8 | 4<br>3.1 | —        | —        | —        | —        | —         |
| Southampton ...         | 462<br>4.6                       | 16<br>0.6                                     | 330<br>7.9                                     | 116<br>3.5                                  | —           | 5<br>2.3   | 3<br>1.4   | 2<br>0.9   | —         | 2<br>0.9 | 1<br>0.5 | 1<br>0.5 | —        | —        | 1<br>0.5 | 1<br>0.5  |
| Southend-on-Sea ...     | 255<br>4.1                       | 15<br>0.9                                     | 168<br>6.5                                     | 72<br>3.5                                   | —           | —          | 4<br>2.9   | 1<br>0.7   | 3<br>2.2  | —        | 1<br>0.7 | 3<br>2.2 | —        | 2<br>1.5 | —        | 1<br>0.7  |
| Southport ...           | 285<br>5.1                       | 15<br>1.0                                     | 156<br>6.7                                     | 114<br>6.2                                  | 1<br>0.8    | 5<br>0.8   | 2<br>4.1   | 4<br>1.6   | 1<br>3.3  | —        | —        | —        | —        | —        | —        | —         |
| South Shields ...       | 669<br>7.2                       | 51<br>2.1                                     | 438<br>11.4                                    | 180<br>5.9                                  | 3<br>1.5    | 13<br>6.4  | 12<br>5.9  | 16<br>7.9  | 2<br>0.5  | 1<br>1.0 | 1<br>0.5 | 1<br>0.5 | 1<br>0.5 | —        | —        | —         |
| Stockport ...           | 476<br>4.7                       | 51<br>1.9                                     | 312<br>7.4                                     | 113<br>3.4                                  | —           | 5<br>2.3   | 16<br>7.2  | 8<br>3.1   | 3<br>3.6  | 3<br>1.4 | 1<br>0.5 | —        | —        | —        | —        | —         |
| Stoke-on-Trent ...      | 1,197<br>6.5                     | 130<br>2.7                                    | 662<br>8.7                                     | 405<br>6.8                                  | 2<br>0.5    | 16<br>4.0  | 45<br>11.3 | 39<br>9.8  | 11<br>2.8 | 5<br>1.3 | 6<br>1.5 | 2<br>0.5 | 1<br>0.3 | 1<br>0.3 | 2<br>0.5 | —         |
| Sunderland ...          | 869<br>6.8                       | 85<br>2.6                                     | 596<br>11.3                                    | 188<br>4.5                                  | 10<br>3.6   | 36<br>13.0 | 28<br>10.1 | 4<br>1.4   | 4<br>1.4  | 1<br>0.4 | —        | —        | —        | —        | —        | 1<br>0.4  |
| Tynemouth ...           | 265<br>5.4                       | 17<br>1.3                                     | 147<br>7.2                                     | 101<br>6.3                                  | —           | 2<br>1.9   | 6<br>5.6   | 3<br>2.8   | 4<br>3.7  | 1<br>0.9 | —        | —        | 1<br>0.9 | —        | —        | —         |
| Wakefield ...           | 238<br>6.0                       | 30<br>2.9                                     | 92<br>5.6                                      | 116<br>8.9                                  | 3<br>3.5    | 6<br>6.9   | 11<br>12.7 | 4<br>4.6   | 2<br>2.3  | 1<br>1.2 | 1<br>1.2 | 2<br>2.3 | —        | —        | —        | —         |
| Wallasey ...            | 348<br>4.9                       | 13<br>0.7                                     | 210<br>7.1                                     | 125<br>5.4                                  | —           | 1<br>0.6   | 5<br>3.2   | 2<br>1.3   | 1<br>0.6  | 1<br>0.6 | —        | —        | 1<br>0.6 | —        | —        | 1<br>0.6  |
| Walsall ...             | 445<br>5.8                       | 65<br>3.2                                     | 310<br>9.7                                     | 70<br>2.8                                   | 2<br>1.2    | 9<br>5.4   | 22<br>13.1 | 12<br>7.1  | 11<br>6.5 | 2<br>1.2 | 4<br>2.4 | 1<br>0.6 | 1<br>0.6 | 1<br>0.6 | —        | —         |
| Warrington ...          | 408<br>6.7                       | 52<br>3.3                                     | 222<br>8.9                                     | 134<br>6.8                                  | 1<br>0.8    | 6<br>4.6   | 11<br>8.4  | 18<br>13.7 | 13<br>9.9 | 2<br>1.5 | 1<br>0.8 | —        | —        | —        | —        | —         |
| West Bromwich ...       | 459<br>7.7                       | 50<br>3.2                                     | 306<br>12.5                                    | 103<br>5.3                                  | —           | 13<br>10.1 | 21<br>16.3 | 10<br>7.7  | 3<br>2.3  | —        | 2<br>1.5 | —        | —        | —        | —        | —         |
| West Ham ...            | 1,282<br>5.5                     | 96<br>1.6                                     | 973<br>10.2                                    | 213<br>2.8                                  | 3<br>0.6    | 17<br>3.4  | 30<br>6.0  | 18<br>3.6  | 10<br>2.0 | 6<br>1.2 | 5<br>1.0 | 2<br>0.4 | 4<br>0.8 | —        | 1<br>0.2 | —         |
| West Hartlepool ...     | 350<br>6.5                       | 32<br>2.3                                     | 229<br>10.2                                    | 89<br>5.0                                   | 4<br>3.4    | 7<br>5.9   | 14<br>11.9 | 3<br>2.5   | 2<br>1.7  | —        | —        | 1<br>0.8 | 1<br>0.8 | —        | —        | —         |
| Wigan ...               | 399<br>5.6                       | 45<br>2.4                                     | 197<br>6.7                                     | 157<br>6.8                                  | —           | 4<br>2.6   | 6<br>3.9   | 8<br>11.0  | 17<br>5.2 | 6<br>3.9 | 1<br>0.6 | 2<br>1.3 | 1<br>0.6 | —        | —        | —         |
| Wolverhampton ...       | 554<br>6.8                       | 27<br>1.2                                     | 356<br>10.6                                    | 171<br>6.5                                  | 1<br>0.6    | 6<br>3.4   | 3<br>1.7   | 11<br>6.2  | 3<br>0.6  | 1<br>1.1 | —        | —        | —        | 1<br>0.6 | 1<br>0.6 | 1<br>0.6  |
| Worcester ...           | 193<br>4.9                       | 10<br>1.0                                     | 150<br>9.2                                     | 33<br>2.6                                   | —           | 2<br>2.3   | 2<br>2.3   | 4<br>4.7   | —         | —        | 1<br>1.2 | 1<br>1.2 | —        | —        | —        | —         |
| York ...                | 270<br>4.2                       | 18<br>1.1                                     | 207<br>7.8                                     | 45<br>2.1                                   | —           | 4<br>2.9   | 4<br>2.9   | 5<br>3.6   | 4<br>2.9  | —        | 1<br>0.7 | —        | —        | —        | —        | —         |
| Cardiff ...             | 704<br>4.5                       | 45<br>1.1                                     | 468<br>7.3                                     | 191<br>3.8                                  | 2<br>0.6    | 1<br>0.3   | 6<br>1.8   | 7<br>2.1   | 8<br>2.4  | 4<br>1.2 | 4<br>1.2 | 5<br>1.5 | —        | 2<br>0.6 | 4<br>1.2 | 2<br>0.6  |
| Merthyr Tydfil ...      | 253<br>4.0                       | 40<br>2.4                                     | 135<br>5.1                                     | 78<br>3.8                                   | 5<br>3.6    | 7<br>5.1   | 12<br>8.7  | 6<br>4.3   | 4<br>2.9  | 1<br>0.7 | 2<br>1.4 | —        | 2<br>1.4 | —        | —        | 1<br>0.7  |
| Swansea ...             | 458<br>4.1                       | 22<br>0.9                                     | 297<br>6.4                                     | 139<br>3.4                                  | —           | 5<br>2.4   | 9<br>4.3   | 4<br>1.9   | —         | —        | —        | —        | —        | —        | —        | —         |



TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued*.

| County Boroughs.      | Week ending |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
|-----------------------|-------------|-----------|---------|----------|----------|----------|---------|---------|----------|----------|----------|---------|----------|----------|----------|---------|----------|
|                       | Sept. 21.   | Sept. 28. | Oct. 5. | Oct. 12. | Oct. 19. | Oct. 26. | Nov. 2. | Nov. 9. | Nov. 16. | Nov. 23. | Nov. 30. | Dec. 7. | Dec. 14. | Dec. 21. | Dec. 28. | Jan. 4. | Jan. 11. |
| Barnsley ...          | —           | —         | —       | —        | —        | 1        | 5       | 13      | 20       | 22       | 30       | 28      | 23       | 29       | 21       | 8       | 8        |
| Barrow-in-Furness ... | 1           | —         | —       | 1        | 5        | 26       | 39      | 42      | 30       | 17       | 14       | 10      | 5        | 1        | 2        | 1       | —        |
| Bath ...              | 0.7         | —         | —       | 0.7      | 3.3      | 16.9     | 25.4    | 27.3    | 19.5     | 11.1     | 9.1      | 6.5     | 6.5      | 3.3      | 0.7      | 1.3     | 0.7      |
| Birkenhead ...        | —           | 1         | 2       | 11       | 25       | 32       | 20      | 9       | 10       | 11       | 6        | 5       | 5        | 1        | 1        | 2       | —        |
| Birmingham...         | —           | 0.8       | 1.7     | 9.1      | 20.7     | 26.4     | 16.5    | 7.4     | 8.3      | 9.1      | 5.0      | 4.1     | 4.1      | 0.8      | 0.8      | 1.7     | —        |
| Blackburn ...         | —           | —         | 2       | 6        | 34       | 61       | 95      | 89      | 67       | 27       | 7        | 10      | 13       | 4        | 5        | 3       | 4        |
| Blackpool ...         | —           | 0.8       | 2.3     | 13.1     | 23.6     | 36.7     | 34.4    | 25.9    | 10.4     | 2.7      | 3.9      | 5.0     | 1.5      | 1.9      | 1.2      | 1.5     | 2.3      |
| Bolton ...            | 2           | 1         | 2       | 3        | 15       | 60       | 106     | 204     | 261      | 322      | 371      | 266     | 136      | 61       | 24       | 20      | 14       |
| Bolton ...            | 0.1         | 0.1       | 0.1     | 0.2      | 0.9      | 3.6      | 6.4     | 12.3    | 15.7     | 19.4     | 22.3     | 16.0    | 8.2      | 3.7      | 1.4      | 1.2     | 0.8      |
| Blackburn ...         | —           | —         | —       | —        | 1        | 3        | 10      | 30      | 32       | 42       | 49       | 46      | 32       | 16       | 8        | 3       | 2        |
| Blackpool ...         | —           | —         | —       | —        | 0.5      | 1.4      | 4.7     | 14.0    | 15.0     | 19.7     | 22.9     | 21.5    | 15.0     | 7.5      | 3.7      | 1.4     | 0.9      |
| Blackpool ...         | —           | —         | —       | —        | 4        | 8        | 16      | 20      | 12       | 10       | 16       | 8       | 2        | 11       | 2        | 1       | —        |
| Bolton ...            | —           | —         | —       | —        | 3.2      | 6.4      | 12.8    | 16.0    | 9.6      | 8.0      | 12.8     | 6.4     | 1.6      | 8.8      | 1.6      | 0.8     | —        |
| Bolton ...            | —           | —         | —       | 2        | 5        | 40       | 66      | 45      | 18       | 24       | 26       | 15      | 21       | 8        | 5        | 2       | 6        |
| Bootle...             | —           | —         | —       | 0.6      | 1.6      | 13.0     | 21.4    | 14.6    | 5.8      | 7.3      | 8.4      | 4.9     | 6.8      | 2.6      | 1.6      | 0.6     | 1.9      |
| Bournemouthe          | 1           | —         | 2       | 12       | 19       | 52       | 55      | 36      | 11       | 4        | 1        | 3       | 9        | 5        | 7        | 6       | 1        |
| Bournemouth           | 0.7         | —         | 1.5     | 8.9      | 14.0     | 38.4     | 40.7    | 26.6    | 8.1      | 3.0      | 0.7      | 2.2     | 6.7      | 3.7      | 5.2      | 4.4     | 0.7      |
| Bradford ...          | 3           | 1         | 2       | 3        | 6        | 23       | 25      | 3       | 9        | 5        | 10       | 3       | 2        | 4        | —        | 2       | 2        |
| Bradford ...          | 2.1         | 0.7       | 1.4     | 2.1      | 4.2      | 16.1     | 17.5    | 2.1     | 6.3      | 3.5      | 7.0      | 2.1     | 1.4      | 2.8      | —        | 1.4     | 1.4      |
| Brighton ...          | 1           | —         | 3       | 1        | 2        | 11       | 36      | 86      | 132      | 121      | 117      | 61      | 24       | 13       | 9        | 6       | 2        |
| Bristol ...           | 0.2         | —         | 0.6     | 0.2      | 0.4      | 2.2      | 7.2     | 17.3    | 26.5     | 24.3     | 23.5     | 12.2    | 4.8      | 2.6      | 1.8      | 1.2     | 0.4      |
| Burnley ...           | —           | 1         | —       | 6        | 30       | 75       | 81      | 69      | 29       | 13       | 14       | 17      | 3        | 4        | 3        | 1       | 2        |
| Burnley ...           | —           | 0.4       | —       | 2.6      | 12.9     | 32.1     | 34.7    | 29.6    | 12.4     | 5.6      | 6.0      | 7.3     | 1.3      | 1.7      | 1.3      | 0.4     | 0.9      |
| Burton-upon-Trent...  | —           | 2         | 4       | 31       | 80       | 218      | 174     | 127     | 98       | 86       | 50       | 42      | 25       | 15       | 17       | 15      | —        |
| Bury ...              | —           | 0.3       | 0.6     | 0.6      | 4.8      | 12.3     | 33.6    | 26.8    | 19.6     | 15.1     | 13.3     | 7.7     | 6.5      | 3.9      | 2.3      | 2.6     | 2.3      |
| Canterbury ...        | —           | —         | —       | 1        | 5        | 20       | 51      | 39      | 12       | 17       | 16       | 14      | 7        | 6        | 7        | —       | —        |
| Carlisle ...          | —           | —         | —       | 0.6      | 2.9      | 11.5     | 29.3    | 22.4    | 6.9      | 9.8      | 9.2      | 8.0     | 4.0      | 3.4      | 4.0      | —       | —        |
| Chester ...           | —           | —         | 1       | 3        | 11       | 34       | 61      | 44      | 14       | 10       | 12       | 5       | 6        | 3        | 1        | 3       | 1        |
| Coventry ...          | —           | —         | 1.2     | 3.7      | 13.6     | 42.1     | 75.5    | 54.5    | 17.3     | 12.4     | 14.9     | 6.2     | 7.4      | 3.7      | 1.2      | 3.7     | 1.2      |
| Croydon ...           | —           | —         | —       | 1        | 7        | 13       | 13      | 15      | 22       | 21       | 8        | 2       | 3        | 1        | —        | 1       | —        |
| Darlington ...        | —           | —         | —       | 1.0      | 7.2      | 13.3     | 13.3    | 15.3    | 22.5     | 21.5     | 8.2      | 2.0     | 3.1      | 1.0      | —        | 1.0     | —        |
| Derby ...             | —           | —         | 1       | 2        | 7        | 8        | 4       | 8       | 10       | 18       | 4        | 1       | 4        | 4        | 3        | 2       | —        |
| Dewsbury ...          | —           | —         | 2.3     | 2.3      | 4.7      | 16.3     | 18.6    | 9.3     | 18.6     | 23.3     | 42.0     | 9.3     | 2.3      | 9.3      | 9.3      | 7.0     | 4.7      |
| Dudley ...            | —           | —         | —       | 1        | 4        | 1        | 3       | 4       | 12       | 20       | 23       | 10      | 3        | 1        | 2        | 1       | —        |
| Eastbourne ...        | —           | —         | —       | 1.0      | 3.9      | 1.0      | 2.9     | 3.9     | 11.7     | 19.4     | 22.3     | 9.7     | 2.9      | 1.0      | 1.9      | 1.0     | —        |
| East Ham ...          | —           | —         | —       | 1        | 7        | 20       | 21      | 15      | 6        | 5        | 1        | 1       | 1        | —        | 1        | —       | —        |
| Exeter ...            | —           | —         | —       | 1.3      | 9.4      | 27.0     | 28.3    | 20.2    | 8.1      | 6.7      | 1.3      | 1.3     | 1.3      | —        | 1.3      | —       | —        |
| Gateshead ...         | 1           | —         | —       | 1        | 15       | 63       | 101     | 104     | 82       | 41       | 17       | 11      | 4        | —        | 1        | 2       | —        |
| Gloucester ...        | 0.4         | —         | —       | 0.4      | 5.8      | 24.3     | 39.0    | 40.1    | 31.6     | 15.8     | 6.6      | 4.2     | 1.5      | —        | 0.4      | 0.8     | —        |
| Grimsby ...           | —           | —         | 1       | 5        | 13       | 58       | 118     | 108     | 54       | 28       | 23       | 19      | 10       | 5        | 4        | 4       | 5        |
| Huddersfield...       | —           | —         | 0.3     | 1.5      | 4.0      | 18.0     | 36.5    | 33.4    | 16.7     | 8.7      | 7.1      | 5.9     | 3.1      | 1.5      | 1.2      | 1.2     | 1.5      |
| Ipswich ...           | 1           | —         | —       | 1        | 2        | —        | 5       | 10      | 12       | 19       | 39       | 27      | 7        | 3        | 1        | 5       | —        |
| Kingston-upon-Hull    | 0.9         | —         | —       | 0.9      | 1.7      | —        | 4.3     | 8.7     | 10.4     | 16.4     | 33.7     | 23.4    | 6.1      | 2.6      | 0.9      | 4.3     | —        |
| Leeds ...             | 2           | 1         | —       | 2        | 1        | 7        | 20      | 38      | 63       | 55       | 70       | 42      | 23       | 13       | 6        | 4       | —        |
| Leicester ...         | 0.9         | 0.4       | —       | 0.9      | 0.4      | 3.1      | 8.8     | 16.8    | 27.8     | 24.3     | 30.9     | 18.5    | 10.1     | 5.7      | 2.6      | 1.8     | —        |
| Lincoln ...           | 1           | —         | —       | 2        | 2        | 10       | 12      | 42      | 34       | 27       | 11       | 8       | 4        | 2        | 1        | 2       | —        |
| Liverpool ...         | 1.1         | —         | —       | 2.2      | 2.2      | 11.1     | 13.3    | 46.5    | 37.7     | 29.9     | 12.2     | 8.9     | 4.4      | 2.2      | 1.1      | 2.2     | —        |
| Manchester ...        | —           | —         | —       | —        | 1        | 5        | 14      | 15      | 18       | 24       | 17       | 11      | 5        | 1        | —        | —       | —        |
| Manchester ...        | —           | —         | —       | —        | 1.0      | 5.0      | 14.1    | 15.1    | 18.1     | 24.2     | 17.1     | 11.1    | 5.0      | 1.0      | —        | —       | —        |
| Manchester ...        | —           | —         | 1       | 2        | 4        | 18       | 14      | 4       | 13       | 6        | 11       | 7       | 1        | 2        | —        | 1       | —        |
| Manchester ...        | —           | —         | 1.0     | 2.1      | 4.2      | 18.9     | 14.7    | 4.2     | 13.6     | 6.3      | 11.5     | 7.3     | 1.0      | 2.1      | —        | 1.0     | —        |
| Manchester ...        | 1           | 1         | —       | 5        | 20       | 79       | 132     | 115     | 30       | 23       | 17       | 16      | 7        | 3        | 3        | —       | —        |
| Manchester ...        | 0.4         | 0.4       | —       | 2.0      | 8.1      | 32.1     | 53.7    | 46.8    | 12.2     | 9.4      | 6.9      | 6.5     | 2.8      | 2.8      | 1.2      | 1.2     | —        |
| Manchester ...        | —           | —         | 8       | 26       | 20       | 29       | 18      | 10      | 9        | 2        | 4        | —       | 2        | 1        | —        | —       | 1        |
| Manchester ...        | 1.0         | —         | 8.3     | 27.0     | 20.7     | 30.1     | 18.7    | 10.4    | 9.3      | 2.1      | 4.1      | —       | 2.1      | 1.0      | —        | —       | 1.0      |
| Manchester ...        | —           | 1         | —       | —        | 2        | 6        | 18      | 47      | 48       | 42       | 26       | 9       | 5        | —        | 2        | 2       | 2        |
| Manchester ...        | —           | 0.4       | —       | —        | 0.9      | 2.7      | 8.0     | 20.9    | 21.4     | 18.7     | 11.6     | 4.0     | 2.2      | —        | 0.9      | 0.9     | 0.9      |
| Manchester ...        | —           | 1         | 3       | 19       | 29       | 24       | 22      | 14      | 8        | 4        | 10       | 7       | 4        | 2        | 4        | —       | —        |
| Manchester ...        | —           | 1.1       | 3.3     | 20.9     | 32.0     | 26.5     | 24.3    | 15.4    | 8.8      | 4.4      | 11.0     | 7.7     | 4.4      | 2.2      | 4.4      | —       | —        |
| Manchester ...        | 1           | —         | 1       | 5        | 16       | 26       | 28      | 26      | 18       | 14       | 7        | 5       | 3        | 1        | —        | 3       | —        |
| Manchester ...        | 1.2         | —         | 1.2     | 5.8      | 18.5     | 30.0     | 32.3    | 30.0    | 20.8     | 16.1     | 8.1      | 5.8     | 3.5      | 1.2      | —        | 3.5     | —        |
| Manchester ...        | 1           | —         | 2       | —        | —        | 2        | 6       | 3       | 29       | 28       | 64       | 33      | 19       | 2        | 1        | 1       | —        |
| Manchester ...        | 0.8         | —         | 1.5     | —        | —        | 1.5      | 4.6     | 2.3     | 22.2     | 21.5     | 49.1     | 25.3    | 14.6     | 1.5      | 0.8      | 0.8     | —        |
| Manchester ...        | —           | 1         | 1       | —        | 3        | 5        | 22      | 24      | 39       | 37       | 49       | 28      | 8        | 11       | 4        | 4       | 7        |
| Manchester ...        | —           | 0.6       | 0.6     | —        | 1.7      | 2.8      | 12.3    | 13.4    | 21.7     | 20.6     | 27.3     | 15.6    | 4.5      | 6.1      | 2.2      | 2.2     | 3.9      |
| Manchester ...        | —           | —         | 1       | 2        | 3        | 7        | 30      | 34      | 14       | 8        | 13       | 15      | 6        | 4        | 2        | 4       | 2        |
| Manchester ...        | —           | —         | 1.0     | 2.0      | 3.0      | 7.0      | 30.1    | 34.1    | 14.0     | 8.0      | 13.0     | 15.0    | 6.0      | 4.0      | 2.0      | 4.0     | 2.0      |
| Manchester ...        | 1           | —         | 1       | 1        | 5        | 11       | 12      | 15      | 8        | 15       | 17       | 13      | 7        | 6        | 4        | 2       | 2        |
| Manchester ...        | 0.5         | —         | 0.5     | 0.5      | 2.5      | 5.4      | 5.9     | 7.4     | 4.0      | 7.4      | 8.4      | 6.4     | 3.5      | 3.0      | 2.0      | 1.0     | 1.0      |
| Manchester ...        | —           | 1         | —       | 1        | —        | 6        | 15      | 38      | 43       | 34       | 26       | 17      | 3        | 3        | 2        | 1       | —        |
| Manchester ...        | —           | 0.7       | —       | 0.7      | —        | 4.3      | 10.8    | 27.3    | 30.8     | 24.4     | 18.7     | 12.2    | 2.2      | 2.2      | 1.4      | 0.7     | —        |
| Manchester ...        | —           | —         | 1       | 22       | 78       | 158      | 232     | 153     | 78       | 68       | 38       | 24      | 22       | 15       | 8        | 7       | 9        |
| Manchester ...        | —           | —         | 0.2     | 4.7      | 16.8     | 34.1     | 50.1    | 33.0    | 16.8     | 14.7     | 8.2      | 5.2     | 4.7      | 3.2      | 1.7      | 1.5     | 1.9      |
| Manchester ...        | 2           | 4         | 5       | 6        | 48       | 115      | 227     | 242     | 207      | 151      | 105      | 57      | 28       | 8        | 18       | 17      | 10       |
| Manchester ...        | 0.2         | 0.5       | 0.6     | 0.7      | 5.9      | 14.0     | 27.7    | 29.5    | 25.2     | 18.4     | 12.8     | 7.0     | 3.4      | 1.0      | 2.2      | 2.1     | 1.2      |
| Manchester ...        | —           | 1         | 1       | 9        | 74       | 203      | 258     | 134     | 63       | 18       | 19       | 18      | 10       | 9        | 2        | 3       | 2        |
| Manchester ...        | —           | 0.3       | 0.3     | 2.3      | 19.0     | 52.1     | 66.2    | 34.4    | 16.2     | 4.6      | 4.9      | 4.6     | 2.6      | 2.3      | 0.5      | 0.8     | 0.5      |
| Manchester ...        | —           | —         | —       | 1        | 5        | 14       | 22      | 26      | 24       | 17       | 27       | 20      | 9        | 9        | 1        | 5       | 1        |
| Manchester ...        | —           | —         | —       | 0.9      | 4.3      | 12.1     | 19.1    | 22.5    | 20.8     | 14.7     | 23.4     | 17.3    | 7.8      | 7.8      | 0.9      | 4.3     | 0.9      |
| Manchester ...        | 2           | 16        | 34      | 127      | 226      | 211      | 180     | 115     | 74       | 54       | 72       | 68      | 54       | 43       | 48       | 71      | 55       |
| Manchester ...        | 0.1         | 1.2       | 2.5     | 9.4      | 16.7     | 15.6     | 13.3    | 8.5     | 5.5      | 4.0      | 5.3      | 5.0     | 4.0      | 3.2      | 3.5      | 5.2     | 4.1      |
| Manchester ...        | 2           | 1         | 2       | 3        | 12       | 39       | 92      | 177     | 261      | 366      | 352      | 208     | 84       | 53       | 30       | 16      | 14       |
| Manchester ...        | 0.2         | 0.1       | 0.2     | 0.2      | 0.9      | 3.1      | 7.2     | 13.9    | 20.4     | 28.7     | 27.6     | 16.3    | 6.6      | 4.2      | 2.3      | 1.3     | 1.1      |





TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued*.

| County Boroughs.      | Week ending |          |         |         |          |          |         |         |          |          |          |         |          |          |          |        |         |
|-----------------------|-------------|----------|---------|---------|----------|----------|---------|---------|----------|----------|----------|---------|----------|----------|----------|--------|---------|
|                       | Jan. 18.    | Jan. 25. | Feb. 1. | Feb. 8. | Feb. 15. | Feb. 22. | Mar. 1. | Mar. 8. | Mar. 15. | Mar. 22. | Mar. 29. | Apr. 5. | Apr. 12. | Apr. 19. | Apr. 26. | May 3. | May 10. |
| Barnsley ...          | 1           | 4        | 4       | 2       | 8        | 10       | 16      | 16      | 21       | 11       | 2        | 1       | 6        | 3        | 1        | —      | —       |
| Barrow-in-Furness ... | —           | —        | —       | —       | 4        | 12       | 25      | 21      | 17       | 9        | 5        | 1       | —        | —        | —        | 1      | —       |
| Bath ...              | 1           | 3        | 1       | 2       | —        | 5        | 4       | 4       | 9        | 4        | 4        | 5       | 3        | 3        | 3        | —      | —       |
| Birkenhead ...        | 8           | 2        | 6       | 17      | 12       | 26       | 33      | 25      | 13       | 8        | 3        | 5       | 2        | 2        | —        | —      | —       |
| Birmingham ...        | 3.1         | 0.8      | 2.3     | 6.6     | 4.6      | 10.0     | 12.7    | 9.7     | 5.0      | 3.1      | 1.2      | 1.9     | 0.8      | 0.8      | —        | —      | —       |
| Blackburn ...         | 7           | 5        | 8       | 12      | 40       | 97       | 163     | 151     | 140      | 110      | 84       | 46      | 39       | 26       | 21       | 9      | 5       |
| Blackpool ...         | 0.4         | 0.3      | 0.5     | 0.7     | 2.4      | 5.8      | 9.8     | 9.1     | 8.4      | 6.6      | 5.0      | 2.8     | 2.3      | 1.6      | 1.3      | 0.5    | 0.3     |
| Bolton ...            | 3           | 1        | 1       | 1       | 13       | 36       | 52      | 40      | 14       | 11       | 1        | 5       | —        | 1        | 2        | —      | —       |
| Bolton ...            | 1.4         | 0.5      | 0.5     | 0.5     | 6.1      | 16.8     | 24.3    | 18.7    | 6.6      | 5.1      | 0.5      | 2.3     | —        | 0.5      | 0.9      | —      | —       |
| Blackpool ...         | —           | 1        | —       | 1       | 7        | 21       | 26      | 12      | 6        | 4        | —        | —       | 2        | —        | —        | —      | 1       |
| Bolton ...            | —           | 0.8      | —       | 0.8     | 5.6      | 16.8     | 20.8    | 9.6     | 4.8      | 3.2      | —        | —       | 1.6      | —        | —        | —      | 0.8     |
| Bolton ...            | 1           | 5        | 3       | 2       | 16       | 58       | 78      | 58      | 26       | 16       | 7        | 8       | 4        | 5        | 2        | 1      | 3       |
| Bolton ...            | 0.3         | 1.6      | 1.0     | 0.6     | 5.2      | 18.8     | 25.3    | 18.8    | 8.4      | 5.2      | 2.3      | 2.6     | 1.3      | 1.6      | 0.6      | 0.3    | 1.0     |
| Bootle ...            | 4           | 1        | —       | 5       | 10       | 28       | 27      | 16      | 14       | 2        | 2        | 1       | 1        | —        | —        | —      | —       |
| Bootle ...            | 3.0         | 0.7      | —       | 3.7     | 7.4      | 20.7     | 20.0    | 11.8    | 10.3     | 1.5      | 1.5      | 0.7     | 0.7      | —        | —        | —      | —       |
| Bournemouth ...       | —           | 1        | 2       | 2       | 3        | 11       | 14      | 19      | 7        | 4        | 5        | 5       | 1        | 2        | 1        | 1      | 1       |
| Bournemouth ...       | —           | 0.7      | 1.4     | 1.4     | 2.1      | 7.7      | 9.8     | 13.3    | 4.9      | 2.8      | 3.5      | 3.5     | 0.7      | 1.4      | 0.7      | 0.7    | 0.7     |
| Bradford ...          | 3           | 5        | 7       | 42      | 56       | 152      | 129     | 95      | 37       | 11       | 19       | 11      | 4        | 1        | 3        | 7      | 5       |
| Bradford ...          | 0.6         | 1.0      | 1.4     | 8.4     | 11.2     | 30.5     | 25.9    | 19.1    | 7.4      | 2.2      | 3.8      | 2.2     | 0.8      | 0.2      | 0.6      | 1.4    | 1.0     |
| Brighton ...          | 1           | 1        | 4       | 8       | 34       | 39       | 28      | 12      | 11       | 11       | 3        | 1       | 3        | 1        | —        | 2      | —       |
| Brighton ...          | 0.4         | 0.4      | 1.7     | 3.4     | 14.6     | 16.7     | 12.0    | 5.1     | 4.7      | 4.7      | 1.3      | 0.4     | 1.3      | 0.4      | —        | 0.9    | —       |
| Bristol ...           | 5           | 11       | 2       | 4       | 21       | 36       | 75      | 72      | 62       | 35       | 16       | 6       | 6        | 4        | 2        | 3      | —       |
| Bristol ...           | 0.8         | 1.7      | 0.3     | 0.6     | 3.2      | 5.6      | 11.6    | 11.1    | 9.6      | 5.4      | 2.5      | 0.9     | 0.9      | 0.6      | 0.3      | 0.5    | —       |
| Burnley ...           | 2           | 2        | —       | —       | 2        | 11       | 9       | 21      | 17       | 16       | 2        | 2       | 1        | 1        | 3        | 1      | —       |
| Burnley ...           | 1.1         | 1.1      | —       | —       | 1.1      | 6.3      | 5.2     | 12.1    | 9.8      | 9.2      | 1.1      | 1.1     | 0.6      | 0.6      | 1.7      | 0.6    | —       |
| Burton-upon-Trent...  | —           | —        | 1       | —       | 1        | 2        | 5       | 5       | 6        | 3        | 2        | 2       | 1        | 2        | —        | —      | —       |
| Burton-upon-Trent...  | —           | —        | 1.2     | —       | 1.2      | 2.5      | 6.2     | 6.2     | 7.4      | 3.7      | 2.5      | 2.5     | 1.2      | 2.5      | —        | —      | —       |
| Bury ...              | —           | —        | 1       | 1       | 3        | 8        | 21      | 26      | 23       | 19       | 13       | 3       | —        | 1        | 1        | —      | 3       |
| Bury ...              | —           | —        | 1.0     | 1.0     | 3.1      | 8.2      | 21.5    | 26.6    | 23.5     | 19.4     | 13.3     | 3.1     | —        | 1.0      | 1.0      | —      | 3.1     |
| Canterbury ...        | —           | —        | —       | —       | 1        | 2        | 6       | 7       | 7        | 1        | —        | 1       | —        | —        | —        | —      | —       |
| Canterbury ...        | —           | —        | —       | 2.3     | 4.7      | 14.0     | 16.3    | 16.3    | 2.3      | —        | 2.3      | —       | —        | —        | —        | —      | —       |
| Carlisle ...          | 2           | 1        | —       | 1       | 1        | 4        | 4       | 5       | 5        | 5        | 1        | 3       | 2        | 4        | —        | 1      | —       |
| Carlisle ...          | 1.9         | 1.0      | —       | 1.0     | 1.0      | 3.9      | 3.9     | 4.9     | 4.9      | 4.9      | 1.0      | 2.9     | 1.9      | 3.9      | —        | 1.0    | —       |
| Chester ...           | —           | —        | —       | 1       | —        | 4        | 6       | 7       | 2        | 4        | 5        | 4       | 1        | —        | 1        | 1      | —       |
| Chester ...           | —           | —        | —       | 1.3     | —        | 5.4      | 8.1     | 9.4     | 2.7      | 5.4      | 6.7      | 5.4     | 1.3      | —        | 1.3      | 1.3    | —       |
| Coventry ...          | 2           | —        | 2       | 2       | 1        | —        | 6       | 4       | 2        | 2        | 1        | 1       | 2        | —        | —        | —      | 1       |
| Coventry ...          | 0.8         | —        | 0.8     | 0.8     | 0.4      | —        | 2.3     | 1.5     | 0.8      | 0.8      | 0.4      | 0.4     | 0.8      | —        | —        | —      | 0.4     |
| Croydon ...           | 2           | 1        | 1       | 10      | 9        | 9        | 25      | 22      | 13       | 5        | 6        | 5       | 3        | 4        | 1        | 2      | 1       |
| Croydon ...           | 0.6         | 0.3      | 0.3     | 3.1     | 2.8      | 2.8      | 7.7     | 6.8     | 4.0      | 1.5      | 1.9      | 1.5     | 0.9      | 1.2      | 0.3      | 0.6    | 0.3     |
| Darlington ...        | —           | —        | —       | —       | 3        | 8        | 15      | 22      | 16       | 16       | 6        | 2       | 2        | 2        | 1        | 1      | 1       |
| Darlington ...        | —           | —        | 1.7     | —       | 2.6      | 6.9      | 13.0    | 19.0    | 13.8     | 13.8     | 5.2      | 1.7     | 1.7      | 1.7      | 0.9      | 0.9    | 0.9     |
| Derby ...             | 2           | 1        | 1       | 1       | 13       | 29       | 21      | 16      | 11       | 9        | 8        | 4       | —        | —        | —        | 2      | —       |
| Derby ...             | 0.9         | 0.4      | 0.4     | 0.4     | 5.7      | 12.8     | 9.3     | 7.1     | 4.9      | 4.0      | 3.5      | 1.8     | —        | —        | —        | 0.9    | —       |
| Dewsbury ...          | —           | 3        | 2       | 6       | 8        | 9        | 16      | 8       | 8        | 4        | 9        | 3       | 1        | —        | —        | 1      | 5       |
| Dewsbury ...          | —           | 3.3      | 2.2     | 6.6     | 8.9      | 10.0     | 17.7    | 8.9     | 8.9      | 4.4      | 10.0     | 3.3     | 1.1      | —        | —        | 1.1    | 5.5     |
| Dudley ...            | —           | —        | 1       | —       | 1        | 7        | 4       | 2       | 5        | 4        | 1        | —       | 2        | 1        | 1        | —      | 1       |
| Dudley ...            | —           | —        | 1.0     | —       | 1.0      | 7.0      | 4.0     | 2.0     | 5.0      | 4.0      | 1.0      | —       | 2.0      | 1.0      | 1.0      | —      | 1.0     |
| Eastbourne ...        | 2           | 3        | 7       | 6       | 4        | 10       | 12      | 9       | 3        | 4        | 1        | 1       | 1        | 1        | 1        | 2      | —       |
| Eastbourne ...        | 2.1         | 3.1      | 7.3     | 6.3     | 4.2      | 10.5     | 12.6    | 9.4     | 3.1      | 4.2      | 1.0      | 1.0     | 1.0      | 1.0      | 1.0      | 2.1    | —       |
| East Ham ...          | —           | 2        | 5       | 7       | 5        | 13       | 16      | 11      | 4        | 3        | 4        | 1       | —        | —        | —        | —      | —       |
| East Ham ...          | —           | 0.8      | 2.0     | 2.8     | 2.0      | 5.3      | 6.5     | 4.5     | 1.6      | 1.2      | 1.6      | 0.4     | —        | —        | —        | —      | —       |
| Exeter ...            | 1           | —        | —       | 1       | 3        | 6        | 18      | 13      | 11       | 4        | 2        | 7       | 4        | 2        | 1        | 1      | 1       |
| Exeter ...            | 1.0         | —        | —       | 1.0     | 3.1      | 6.2      | 18.7    | 13.5    | 11.4     | 4.1      | 2.1      | 7.3     | 4.1      | 2.1      | 1.0      | 1.0    | 1.0     |
| Gateshead ...         | —           | 1        | —       | 6       | 12       | 31       | 36      | 32      | 20       | 4        | 4        | 2       | 4        | —        | 2        | 1      | 1       |
| Gateshead ...         | —           | 0.4      | —       | 2.7     | 5.3      | 13.8     | 16.0    | 14.2    | 8.9      | 1.8      | 1.8      | 0.9     | 1.8      | —        | 0.9      | 0.4    | 0.4     |
| Gloucester ...        | —           | —        | 1       | 1       | 4        | 8        | 12      | 9       | 7        | 8        | 2        | —       | 1        | 2        | 1        | 1      | 1       |
| Gloucester ...        | —           | —        | 1.1     | 1.1     | 4.4      | 8.8      | 13.2    | 9.9     | 7.7      | 8.8      | 2.2      | —       | 1.1      | 2.2      | 1.1      | 1.1    | 1.1     |
| Great Yarmouth ...    | —           | —        | 1       | 1       | 1        | 8        | 13      | 15      | 11       | 7        | 6        | 4       | 2        | 2        | 1        | 1      | 1       |
| Great Yarmouth ...    | —           | —        | 1.2     | 1.2     | 1.2      | 9.2      | 15.0    | 17.3    | 12.7     | 8.1      | 6.9      | 4.6     | 2.3      | 2.3      | 1.2      | 1.2    | 1.2     |
| Grimsby ...           | 1           | —        | —       | 1       | 3        | 4        | 6       | 3       | 10       | 6        | 9        | 2       | 5        | 4        | 2        | —      | —       |
| Grimsby ...           | 0.8         | —        | —       | 0.8     | 2.3      | 3.1      | 4.6     | 2.3     | 7.7      | 4.6      | 6.9      | 1.5     | 3.8      | 3.1      | 1.5      | —      | —       |
| Halifax ...           | 4           | —        | —       | 4       | 7        | 15       | 21      | 17      | 10       | 4        | 3        | 2       | 3        | 2        | 1        | —      | 2       |
| Halifax ...           | 2.2         | —        | —       | 2.2     | 3.9      | 8.4      | 11.7    | 9.5     | 5.6      | 2.2      | 1.7      | 1.1     | 1.7      | 1.1      | 0.6      | —      | 1.1     |
| Hastings ...          | 3           | 1        | 1       | 4       | 7        | 5        | 8       | 3       | 4        | 3        | 1        | 2       | 1        | —        | —        | 1      | 1       |
| Hastings ...          | 3.0         | 1.0      | 1.0     | 4.0     | 7.0      | 5.0      | 8.0     | 3.0     | 4.0      | 3.0      | 1.0      | 2.0     | 1.0      | —        | —        | 1.0    | 1.0     |
| Huddersfield ...      | 4           | 4        | 6       | 26      | 25       | 30       | 30      | 21      | 7        | 7        | 1        | 2       | 2        | 2        | 2        | —      | 1       |
| Huddersfield ...      | 2.0         | 2.0      | 3.0     | 12.9    | 12.4     | 14.9     | 14.9    | 10.4    | 3.5      | 3.5      | 0.5      | 1.0     | 1.0      | 1.0      | 1.0      | —      | 0.5     |
| Ipswich ...           | —           | —        | —       | 3       | 5        | 18       | 19      | 8       | 3        | 3        | 4        | 1       | —        | —        | —        | 1      | —       |
| Ipswich ...           | —           | —        | —       | 2.2     | 3.6      | 12.9     | 13.6    | 5.7     | 5.7      | 2.2      | 2.9      | 0.7     | —        | 0.7      | —        | 0.7    | —       |
| Kingston-upon-Hull    | 3           | 4        | 1       | 12      | 14       | 56       | 66      | 62      | 27       | 17       | 10       | 9       | 16       | 6        | 4        | 4      | 4       |
| Kingston-upon-Hull    | 0.6         | 0.9      | 0.2     | 2.6     | 3.0      | 12.1     | 14.2    | 13.4    | 5.8      | 3.7      | 2.2      | 1.9     | 3.5      | 1.3      | 0.9      | 0.9    | 0.9     |
| Leeds ...             | 8           | 13       | 10      | 18      | 35       | 92       | 128     | 97      | 69       | 37       | 23       | 14      | 13       | 9        | 6        | 3      | 3       |
| Leeds ...             | 1.0         | 1.6      | 1.2     | 2.2     | 4.3      | 11.2     | 15.6    | 11.8    | 8.4      | 4.5      | 2.8      | 1.7     | 1.6      | 1.1      | 0.7      | 0.4    | 0.4     |
| Leicester ...         | 1           | —        | 1       | 2       | 17       | 75       | 77      | 54      | 39       | 13       | 6        | 9       | 1        | 1        | 1        | 1      | 5       |
| Leicester ...         | 0.3         | —        | 0.3     | 0.5     | 4.4      | 19.3     | 19.8    | 13.9    | 10.0     | 3.3      | 1.5      | 2.3     | 0.3      | 0.3      | 0.3      | 0.3    | 1.3     |
| Lincoln ...           | 4           | —        | —       | —       | 3        | 14       | 7       | 9       | 2        | 3        | 4        | 2       | 3        | 1        | —        | 1      | 1       |
| Lincoln ...           | 3.5         | —        | —       | —       | 2.6      | 12.1     | 6.1     | 7.8     | 1.7      | 2.6      | 3.5      | 1.7     | 2.6      | 0.9      | —        | 0.9    | 0.9     |
| Liverpool ...         | 33          | 43       | 27      | 70      | 161      | 186      | 195     | 157     | 75       | 43       | 36       | 19      | 16       | 5        | 3        | 6      | 3       |
| Liverpool ...         | 2.4         | 3.2      | 2.0     | 5.2     | 11.8     | 13.7     | 14.4    | 11.6    | 5.5      | 3.2      | 2.7      | 1.4     | 1.2      | 0.4      | 0.2      | 0.4    | 0.2     |
| Manchester ...        | 14          | 5        | 15      | 32      | 72       | 144      | 211     | 198     | 93       | 66       | 54       | 30      | 19       | 22       | 12       | 6      | 12      |
| Manchester ...        | 1.1         | 0.4      | 1.2     | 2.5     | 5.6      | 11.3     | 16.5    | 15.5    | 7.3      | 5.2      | 4.2      | 2.3     | 1.5      | 1.7      | 0.9      | 0.5    | 0.9     |

TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued*.

| County Boroughs.        | Week ending |          |           |            |             |             |            |            |            |            |           |           |           |           |           |          |          |
|-------------------------|-------------|----------|-----------|------------|-------------|-------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|----------|----------|
|                         | Jan. 18.    | Jan. 25. | Feb. 1.   | Feb. 8.    | Feb. 15.    | Feb. 22.    | Mar. 1.    | Mar. 8.    | Mar. 15.   | Mar. 22.   | Mar. 29.  | Apl. 5.   | Apl. 12.  | Apl. 19.  | Apl. 26.  | May 3.   | May 10.  |
| Middlesbrough ...       | 2<br>0.9    | 1<br>0.5 | —         | 2<br>0.9   | 6<br>2.7    | 14<br>6.3   | 28<br>12.6 | 15<br>6.8  | 35<br>15.8 | 17<br>7.7  | 14<br>6.3 | 3<br>1.4  | 1<br>0.5  | —         | 1<br>0.5  | —        | —        |
| Newcastle-upon-Tyne ... | 4<br>0.8    | 2<br>0.4 | 15<br>2.9 | 57<br>11.2 | 123<br>24.1 | 163<br>32.0 | 84<br>16.5 | 57<br>11.2 | 29<br>5.7  | 24<br>4.7  | 10<br>2.0 | 9<br>1.8  | 8<br>1.6  | 3<br>0.6  | 3<br>0.6  | 6<br>1.2 | 4<br>0.8 |
| Newport (Mon.) ...      | 2<br>1.3    | 5<br>3.2 | 3<br>1.9  | 2<br>1.3   | 2<br>1.3    | 19<br>12.2  | 27<br>17.3 | 13<br>8.3  | 12<br>7.7  | 7<br>4.5   | 3<br>1.9  | 4<br>2.6  | 3<br>1.9  | 2<br>1.3  | 2<br>1.3  | —        | —        |
| Northampton ...         | 1<br>0.6    | —        | 1<br>0.6  | 2<br>1.3   | 3<br>1.9    | 8<br>5.1    | 4<br>2.6   | 9<br>5.8   | 13<br>8.4  | 2<br>1.3   | 4<br>2.6  | 5<br>3.2  | —         | 2<br>1.3  | —         | 3<br>1.9 | —        |
| Norwich ...             | 2<br>1.0    | 2<br>1.0 | 1<br>0.5  | 3<br>1.5   | 3<br>1.5    | 7<br>3.4    | 6<br>2.9   | 11<br>5.3  | 14<br>6.8  | 16<br>7.8  | 8<br>3.9  | 4<br>1.9  | 5<br>2.4  | 4<br>1.9  | —         | 3<br>1.5 | 2<br>1.0 |
| Nottingham ...          | 5<br>1.1    | 1<br>0.2 | 2<br>0.4  | 3<br>0.7   | 11<br>2.4   | 44<br>9.7   | 47<br>10.4 | 38<br>8.4  | 25<br>5.5  | 18<br>4.0  | 5<br>1.1  | 8<br>1.8  | 7<br>1.5  | 5<br>1.1  | 2<br>0.4  | 5<br>1.1 | —        |
| Oldham ...              | 1<br>0.4    | —        | 1<br>0.4  | —          | 7<br>2.7    | 18<br>7.0   | 28<br>11.0 | 21<br>8.2  | 25<br>9.8  | 14<br>5.5  | 13<br>5.1 | 6<br>2.3  | 3<br>1.2  | 1<br>0.4  | 2<br>0.8  | 1<br>0.4 | 2<br>0.8 |
| Oxford ...              | —           | —        | 2<br>—    | —          | 3<br>3.2    | 8<br>8.4    | 6<br>6.3   | 1<br>1.1   | 3<br>3.2   | —          | 1<br>1.1  | 2<br>2.1  | 1<br>1.1  | —         | —         | —        | —        |
| Plymouth ...            | 3<br>0.9    | 2<br>0.6 | 3<br>0.9  | 4<br>1.2   | 8<br>2.3    | 17<br>4.9   | 29<br>8.4  | 23<br>6.7  | 16<br>4.6  | 9<br>2.6   | 7<br>2.0  | 5<br>1.5  | 6<br>1.7  | 7<br>2.0  | —         | 3<br>0.9 | 2<br>0.6 |
| Portsmouth ...          | 5<br>1.3    | 3<br>0.8 | 1<br>0.3  | 2<br>0.5   | 11<br>2.8   | 49<br>12.6  | 59<br>15.1 | 34<br>8.7  | 20<br>5.1  | 6<br>1.5   | 14<br>3.6 | 6<br>1.5  | 7<br>1.8  | 2<br>0.5  | 7<br>1.8  | 3<br>0.8 | —        |
| Preston ...             | —           | 1<br>0.5 | —         | 3<br>1.5   | 13<br>6.4   | 26<br>12.8  | 24<br>11.8 | 26<br>12.8 | 26<br>12.8 | 14<br>6.9  | 7<br>3.4  | 2<br>1.0  | 5<br>2.5  | 5<br>2.5  | —         | 1<br>0.5 | —        |
| Reading ...             | 1<br>0.6    | 1<br>0.6 | 1<br>0.6  | —          | 5<br>3.2    | 12<br>7.6   | 12<br>7.6  | 9<br>5.7   | 13<br>8.2  | 8<br>5.1   | 5<br>3.2  | 4<br>2.5  | 1<br>0.6  | —         | —         | —        | 0.6      |
| Rochdale ...            | 1<br>0.6    | 1<br>0.6 | —         | 5<br>3.2   | 2<br>1.3    | 12<br>7.7   | 15<br>9.6  | 9<br>5.7   | 12<br>7.7  | 7<br>4.5   | 6<br>3.8  | 2<br>1.3  | 1<br>0.6  | 1<br>0.6  | —         | —        | —        |
| Rotherham ...           | —           | —        | 1<br>0.8  | 2<br>1.6   | 4<br>3.2    | 9<br>7.3    | 16<br>13.0 | 19<br>15.4 | 4<br>3.2   | 4<br>3.2   | 2<br>1.6  | 2<br>0.8  | 1<br>1.6  | 2<br>1.6  | —         | —        | 0.8      |
| St. Helen's ...         | —           | 2<br>1.2 | 6<br>3.5  | 5<br>2.9   | 15<br>8.6   | 38<br>21.9  | 55<br>31.6 | 28<br>16.1 | 15<br>8.6  | 5<br>2.9   | 6<br>3.5  | 1<br>0.6  | —         | 1<br>0.6  | —         | —        | 0.6      |
| Salford ...             | —           | 2<br>0.5 | 5<br>0.5  | 16<br>1.2  | 66<br>4.0   | 106<br>16.4 | 57<br>26.4 | 21<br>28.4 | 13<br>14.2 | 8<br>5.2   | 13<br>3.2 | 8<br>2.0  | 9<br>2.2  | 3<br>0.7  | 1<br>0.2  | 3<br>0.7 | 1<br>0.2 |
| Sheffield ...           | 5<br>0.6    | 6<br>0.7 | 8<br>0.9  | 14<br>1.6  | 24<br>2.7   | 56<br>6.3   | 79<br>8.9  | 67<br>7.5  | 54<br>6.1  | 33<br>3.7  | 28<br>3.1 | 31<br>3.5 | 18<br>2.0 | 17<br>1.9 | 15<br>1.7 | 7<br>0.8 | 5<br>0.6 |
| Smethwick ...           | —           | —        | 1<br>0.8  | 1<br>0.8   | 1<br>0.8    | 19<br>5.4   | 23<br>14.6 | 21<br>17.7 | 8<br>16.1  | 4<br>6.1   | —         | —         | —         | —         | —         | —        | 0.8      |
| Southampton ...         | 1<br>0.5    | 1<br>0.5 | 2<br>0.9  | —          | 5<br>2.3    | 18<br>8.2   | 36<br>16.4 | 16<br>7.3  | 14<br>6.4  | 8<br>3.6   | 4<br>1.8  | 2<br>0.9  | 6<br>2.7  | 3<br>1.4  | 3<br>0.9  | —        | —        |
| Southend-on-Sea ...     | 2<br>1.5    | 2<br>1.5 | —         | 5<br>3.7   | 10<br>7.4   | 6<br>4.4    | 16<br>11.8 | 8<br>5.2   | 5<br>5.9   | 3<br>2.2   | 3<br>2.2  | 2<br>1.5  | 2<br>2.2  | —         | —         | —        | —        |
| Southport ...           | 3<br>2.5    | 2<br>1.6 | 5<br>4.1  | 7<br>5.7   | 8<br>6.6    | 28<br>25.4  | 17<br>22.9 | 7<br>13.9  | 7<br>5.7   | 3<br>2.5   | —         | —         | —         | —         | —         | —        | 0.8      |
| South Shields ...       | 3<br>1.5    | 2<br>1.0 | 6<br>3.0  | 17<br>8.4  | 26<br>12.8  | 38<br>18.8  | 36<br>17.8 | 24<br>11.8 | 6<br>3.0   | 10<br>4.9  | 4<br>2.0  | 4<br>2.0  | 2<br>1.0  | 3<br>1.5  | 2<br>1.0  | 1<br>0.5 | 1<br>0.5 |
| Stockport ...           | —           | 2<br>0.9 | —         | 3<br>1.4   | 7<br>3.2    | 14<br>6.3   | 27<br>12.9 | 21<br>9.5  | 19<br>8.6  | 12<br>5.4  | 6<br>2.7  | 2<br>0.9  | —         | 1<br>0.5  | —         | —        | 0.5      |
| Stoke-on-Trent ...      | 3<br>0.8    | 1<br>0.3 | 1<br>0.3  | 11<br>2.8  | 32<br>8.0   | 61<br>15.3  | 72<br>18.0 | 69<br>17.3 | 37<br>15.5 | 20<br>9.3  | 13<br>5.0 | 10<br>3.3 | 4<br>2.5  | 7<br>1.0  | 1<br>1.8  | 1<br>0.3 | 5<br>1.3 |
| Sunderland ...          | 1<br>0.4    | 7<br>2.5 | 8<br>2.9  | 9<br>3.3   | 17<br>6.2   | 32<br>11.6  | 44<br>15.9 | 33<br>11.9 | 10<br>5.8  | 8<br>3.6   | 4<br>2.9  | 2<br>1.4  | 2<br>0.7  | 1<br>0.4  | 3<br>1.1  | 1<br>0.4 | —        |
| Tynemouth ...           | —           | 1<br>0.9 | 3<br>2.8  | 13<br>12.2 | 23<br>21.5  | 31<br>29.0  | 40<br>15.9 | 21<br>6.5  | 9<br>3.7   | 5<br>0.9   | 2<br>0.9  | 2<br>0.9  | —         | —         | —         | —        | —        |
| Wakefield ...           | —           | —        | —         | 1<br>1.2   | 5<br>5.8    | 31<br>35.7  | 40<br>46.1 | 21<br>24.2 | 9<br>10.4  | 5<br>5.8   | 2<br>2.3  | 2<br>2.3  | —         | —         | —         | —        | —        |
| Wallasey ...            | 6<br>3.9    | 2<br>1.3 | —         | 9<br>5.8   | 25<br>16.1  | 28<br>18.0  | 22<br>14.2 | 11<br>9.0  | 3<br>7.1   | 5<br>1.9   | 3<br>3.2  | 1<br>1.9  | 3<br>0.6  | 2<br>1.3  | 1<br>0.6  | 1<br>0.6 | —        |
| Walsall ...             | —           | 1<br>0.6 | 2<br>1.2  | 2<br>1.2   | 5<br>3.0    | 10<br>5.9   | 13<br>7.7  | 9<br>5.4   | 7<br>4.2   | 7<br>4.2   | 5<br>3.0  | 4<br>2.4  | 3<br>1.8  | 2<br>1.2  | 1<br>0.6  | —        | —        |
| Warrington ...          | 1<br>0.8    | 1<br>0.8 | 2<br>1.5  | —          | 7<br>5.3    | 15<br>11.4  | 24<br>18.2 | 26<br>19.7 | 23<br>17.5 | 16<br>12.1 | 9<br>6.8  | 7<br>5.3  | 1<br>0.8  | 1<br>0.8  | 2<br>1.5  | 1<br>0.8 | —        |
| West Bromwich ...       | 3<br>2.3    | —        | 1<br>0.8  | 1<br>0.8   | 2<br>1.5    | 14<br>10.8  | 24<br>18.6 | 29<br>22.5 | 11<br>8.5  | 8<br>6.2   | 6<br>4.6  | 2<br>1.5  | 3<br>2.3  | —         | —         | —        | —        |
| West Ham ...            | 2<br>0.4    | 5<br>1.0 | 7<br>1.4  | 9<br>1.8   | 22<br>4.4   | 36<br>7.1   | 40<br>7.9  | 19<br>8.1  | 8<br>3.8   | 8<br>1.6   | 11<br>2.2 | 5<br>1.0  | 5<br>1.0  | 8<br>1.6  | —         | 1<br>0.2 | 1<br>0.2 |
| West Hartlepool ...     | 3<br>2.5    | 1<br>0.8 | 1<br>0.8  | 3<br>2.5   | 7<br>5.9    | 28<br>23.8  | 25<br>21.2 | 11<br>9.3  | 8<br>6.8   | 4<br>1.7   | 2<br>0.8  | —         | —         | 1<br>0.8  | 1<br>0.8  | —        | —        |
| Wigan ...               | 3<br>1.9    | 3<br>1.9 | 9<br>5.8  | 26<br>16.9 | 29<br>18.8  | 25<br>16.2  | 17<br>11.0 | 8<br>5.2   | 10<br>6.5  | 4<br>2.6   | 12<br>7.8 | 7<br>4.5  | 4<br>2.6  | 4<br>2.6  | —         | —        | 0.6      |
| Wolverhampton ...       | —           | 2<br>1.1 | 2<br>1.1  | 3<br>1.7   | 8<br>16.4   | 32<br>18.1  | 37<br>21.0 | 14<br>14.2 | 13<br>7.9  | 9<br>7.4   | 5<br>5.1  | 5<br>2.8  | —         | 2<br>1.1  | —         | —        | —        |
| Worcester ...           | —           | 1<br>1.2 | —         | —          | —           | 1<br>1.2    | 4<br>4.7   | 11<br>12.9 | 7<br>8.2   | 3<br>3.5   | 4<br>4.7  | —         | —         | 1<br>1.2  | 1<br>1.2  | 1<br>1.2 | —        |
| York ...                | —           | —        | —         | 1<br>0.7   | 3<br>2.1    | 8<br>5.7    | 13<br>9.3  | 6<br>4.3   | 4<br>2.9   | —          | —         | —         | —         | —         | —         | —        | 0.7      |
| Cardiff ...             | 2<br>0.6    | 2<br>0.6 | 2<br>0.6  | 7<br>2.1   | 6<br>1.8    | 26<br>7.7   | 33<br>9.8  | 33<br>9.8  | 24<br>7.1  | 18<br>5.3  | 12<br>3.6 | 8<br>2.4  | 7<br>2.1  | 8<br>2.4  | 1<br>0.3  | 4<br>1.2 | 2<br>0.6 |
| Merthyr Tydfil ...      | 3<br>2.2    | 4<br>2.9 | —         | 2<br>1.4   | —           | 3<br>2.2    | 4<br>2.9   | 9<br>6.5   | 10<br>7.2  | 7<br>5.1   | 12<br>8.7 | 10<br>7.2 | 6<br>4.3  | 8<br>5.8  | 4<br>2.9  | 3<br>2.2 | —        |
| Swansea ...             | 3<br>1.1    | —        | 2<br>0.7  | 3<br>1.1   | 4<br>1.5    | 4<br>1.5    | 24<br>8.9  | 34<br>12.6 | 17<br>6.3  | 18<br>6.6  | 12<br>4.4 | 6<br>2.2  | 4<br>1.5  | 6<br>2.2  | 1<br>0.4  | 1<br>0.4 | 3<br>1.1 |



TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued.*

| Administrative Counties.         | Whole Period, June 23-May 10. | First Wave, 12 weeks, June 23-Sept. 14. | Second Wave, 19 weeks, Sept. 15-Jan. 25. | Third Wave, 15 weeks, Jan. 26-May 10. | Week ending |         |          |          |          |         |          |          |          |          |          |           |
|----------------------------------|-------------------------------|---|--|---------------------------------------|-------------|---------|----------|----------|----------|---------|----------|----------|----------|----------|----------|-----------|
|                                  |                               |   |  |                                       | June 29.    | July 6. | July 13. | July 20. | July 27. | Aug. 3. | Aug. 10. | Aug. 17. | Aug. 24. | Aug. 31. | Sept. 7. | Sept. 14. |
| BEDFORDSHIRE.                    |                               |   |  |                                       |             |         |          |          |          |         |          |          |          |          |          |           |
| Bedford M.B. ...                 | 130                           | 5                                       | 103                                      | 22                                    | 1           | —       | 1        | 1        | 1        | —       | —        | —        | —        | —        | —        | 1         |
|                                  | 3.7                           | 0.6                                     | 7.2                                      | 1.9                                   | 1.3         | —       | 1.3      | 1.3      | 1.3      | —       | —        | —        | —        | —        | —        | 1.3       |
| Luton M.B. ...                   | 150                           | 1                                       | 130                                      | 19                                    | —           | —       | 1        | —        | —        | —       | —        | —        | —        | —        | —        | —         |
|                                  | 3.1                           | 0.1                                     | 6.6                                      | 1.2                                   | —           | —       | 1.0      | —        | —        | —       | —        | —        | —        | —        | —        | —         |
| Remainder of County...           | 360                           | 12                                      | 296                                      | 52                                    | —           | 3       | 2        | 2        | 2        | 2       | 1        | —        | —        | —        | —        | —         |
|                                  | 4.2                           | 0.5                                     | 8.4                                      | 1.9                                   | —           | 1.6     | 1.1      | 1.1      | 1.1      | 1.1     | 0.5      | —        | —        | —        | —        | —         |
| BERKSHIRE ...                    | 652                           | 19                                      | 497                                      | 136                                   | 1           | 1       | 4        | 5        | 3        | 2       | 2        | —        | —        | 1        | —        | —         |
|                                  | 4.3                           | 0.5                                     | 7.9                                      | 2.7                                   | 0.3         | 0.3     | 1.2      | 1.5      | 0.9      | 0.6     | 0.6      | —        | —        | 0.3      | —        | —         |
| BUCKINGHAMSHIRE.                 |                               |   |  |                                       |             |         |          |          |          |         |          |          |          |          |          |           |
| Chepping Wycombe M.B.            | 78                            | 2                                       | 65                                       | 11                                    | —           | 1       | —        | —        | 1        | —       | —        | —        | —        | —        | —        | —         |
|                                  | 4.3                           | 0.4                                     | 8.7                                      | 1.9                                   | —           | 2.6     | —        | —        | 2.6      | —       | —        | —        | —        | —        | —        | —         |
| Remainder of County...           | 810                           | 26                                      | 650                                      | 134                                   | —           | 4       | 4        | 7        | 1        | 5       | 1        | 2        | —        | —        | 1        | 1         |
|                                  | 4.9                           | 0.6                                     | 9.5                                      | 2.5                                   | —           | 1.1     | 1.1      | 1.9      | 0.3      | 1.4     | 0.3      | 0.6      | —        | —        | 0.3      | 0.3       |
| CAMBRIDGESHIRE.                  |                               |   |  |                                       |             |         |          |          |          |         |          |          |          |          |          |           |
| Cambridge M.B. ...               | 157                           | 3                                       | 123                                      | 31                                    | —           | —       | 1        | 1        | 1        | —       | —        | —        | —        | —        | —        | —         |
|                                  | 3.4                           | 0.3                                     | 6.5                                      | 2.1                                   | —           | —       | 1.0      | 1.0      | 1.0      | —       | —        | —        | —        | —        | —        | —         |
| Remainder of County...           | 238                           | 3                                       | 190                                      | 45                                    | —           | —       | —        | 1        | 1        | —       | —        | 1        | —        | —        | —        | —         |
|                                  | 4.3                           | 0.2                                     | 8.2                                      | 2.5                                   | —           | —       | —        | 0.8      | 0.8      | —       | —        | 0.8      | —        | —        | —        | —         |
| CHESHIRE.                        |                               |   |  |                                       |             |         |          |          |          |         |          |          |          |          |          |           |
| Crewe M.B. ...                   | 181                           | 12                                      | 120                                      | 49                                    | 1           | 3       | 5        | 2        | —        | —       | —        | —        | —        | —        | 1        | —         |
|                                  | 4.8                           | 1.2                                     | 7.7                                      | 4.0                                   | 1.2         | 3.7     | 6.1      | 2.4      | —        | —       | —        | —        | —        | —        | 1.2      | —         |
| Hyde M.B. ...                    | 152                           | 15                                      | 102                                      | 35                                    | —           | 3       | 5        | 5        | 2        | —       | —        | —        | —        | —        | —        | —         |
|                                  | 5.7                           | 2.1                                     | 9.2                                      | 4.0                                   | —           | 5.1     | 8.6      | 8.6      | 3.4      | —       | —        | —        | —        | —        | —        | —         |
| Macclesfield M.B. ...            | 106                           | 11                                      | 77                                       | 18                                    | —           | —       | 2        | 2        | 5        | —       | 2        | —        | —        | —        | —        | —         |
|                                  | 4.1                           | 1.6                                     | 7.1                                      | 2.1                                   | —           | —       | 3.5      | 3.5      | 8.8      | —       | 3.5      | —        | —        | —        | —        | —         |
| Stalybridge M.B. ...             | 127                           | 14                                      | 56                                       | 57                                    | 1           | 2       | 4        | 4        | 2        | 1       | —        | —        | —        | —        | —        | —         |
|                                  | 6.1                           | 2.6                                     | 6.5                                      | 8.4                                   | 2.2         | 4.4     | 8.8      | 8.8      | 4.4      | 2.2     | —        | —        | —        | —        | —        | —         |
| Remainder of County...           | 1,941                         | 119                                     | 1,179                                    | 643                                   | 2           | 17      | 32       | 28       | 10       | 18      | 5        | 2        | 2        | 1        | 2        | —         |
|                                  | 5.2                           | 1.2                                     | 7.7                                      | 5.3                                   | 0.2         | 2.1     | 3.9      | 3.5      | 1.2      | 2.2     | 0.6      | 0.2      | 0.2      | 0.1      | 0.2      | —         |
| CORNWALL ...                     | 813                           | 42                                      | 546                                      | 225                                   | —           | 5       | 9        | 6        | 7        | 4       | 2        | 1        | 1        | 1        | 3        | 3         |
|                                  | 3.3                           | 0.6                                     | 5.3                                      | 2.8                                   | —           | 0.9     | 1.7      | 1.1      | 1.3      | 0.7     | 0.4      | 0.2      | 0.2      | 0.2      | 0.6      | 0.6       |
| CUMBERLAND.                      |                               |   |  |                                       |             |         |          |          |          |         |          |          |          |          |          |           |
| Workington M.B. ...              | 133                           | 12                                      | 49                                       | 72                                    | —           | 1       | 3        | 2        | 5        | —       | —        | 1        | —        | —        | —        | —         |
|                                  | 6.1                           | 2.1                                     | 5.4                                      | 10.1                                  | —           | 2.1     | 6.3      | 4.2      | 10.5     | —       | —        | 2.1      | —        | —        | —        | —         |
| Remainder of County...           | 827                           | 59                                      | 544                                      | 224                                   | 1           | 9       | 15       | 19       | 6        | 3       | 3        | —        | 1        | —        | 2        | —         |
|                                  | 5.4                           | 1.5                                     | 8.6                                      | 4.5                                   | 0.3         | 2.7     | 4.5      | 5.7      | 1.8      | 0.9     | 0.9      | —        | 0.3      | —        | 0.6      | —         |
| DERBYSHIRE.                      |                               |   |  |                                       |             |         |          |          |          |         |          |          |          |          |          |           |
| Chesterfield M.B. ...            | 239                           | 19                                      | 178                                      | 42                                    | —           | —       | 6        | 3        | 4        | 4       | 2        | —        | —        | —        | —        | —         |
|                                  | 7.5                           | 2.3                                     | 13.6                                     | 4.1                                   | —           | —       | 8.7      | 4.4      | 5.8      | 5.8     | 2.9      | —        | —        | —        | —        | —         |
| Glossop M.B. ...                 | 67                            | 10                                      | 24                                       | 33                                    | —           | 2       | 2        | 3        | 1        | 1       | —        | —        | 1        | —        | —        | —         |
|                                  | 4.1                           | 2.3                                     | 3.6                                      | 6.2                                   | —           | 5.6     | 5.6      | 8.5      | 2.8      | 2.8     | —        | —        | 2.8      | —        | —        | —         |
| Ilkeston M.B. ...                | 163                           | 11                                      | 128                                      | 24                                    | —           | 2       | 3        | 3        | 2        | 1       | —        | —        | —        | —        | —        | —         |
|                                  | 6.3                           | 1.6                                     | 12.0                                     | 2.9                                   | —           | 3.6     | 5.4      | 5.4      | 3.6      | 1.8     | —        | —        | —        | —        | —        | —         |
| Remainder of County...           | 1,989                         | 147                                     | 1,342                                    | 500                                   | 2           | 11      | 29       | 45       | 26       | 15      | 5        | 7        | 3        | 2        | 2        | —         |
|                                  | 5.2                           | 1.5                                     | 8.4                                      | 4.0                                   | 0.2         | 1.3     | 3.5      | 5.4      | 3.1      | 1.8     | 0.6      | 0.8      | 0.4      | 0.2      | 0.2      | —         |
| DEVONSHIRE.                      |                               |   |  |                                       |             |         |          |          |          |         |          |          |          |          |          |           |
| Torquay M.B. ...                 | 113                           | 5                                       | 75                                       | 33                                    | —           | —       | 2        | 1        | —        | 2       | —        | —        | —        | —        | —        | —         |
|                                  | 4.2                           | 0.7                                     | 6.7                                      | 3.7                                   | —           | —       | 3.4      | 1.7      | —        | 3.4     | —        | —        | —        | —        | —        | —         |
| Remainder of County...           | 1,009                         | 29                                      | 724                                      | 256                                   | 1           | 1       | 3        | 7        | 4        | 2       | 5        | 4        | 1        | 1        | —        | —         |
|                                  | 3.3                           | 0.4                                     | 5.8                                      | 2.6                                   | 0.2         | 0.2     | 0.5      | 1.1      | 0.6      | 0.3     | 0.8      | 0.6      | 0.2      | 0.2      | —        | —         |
| DORSETSHIRE.                     |                               |   |  |                                       |             |         |          |          |          |         |          |          |          |          |          |           |
| Poole M.B. ...                   | 114                           | 1                                       | 91                                       | 22                                    | —           | —       | —        | —        | —        | —       | —        | —        | —        | 1        | —        | —         |
|                                  | 3.3                           | 0.1                                     | 6.4                                      | 2.0                                   | —           | —       | —        | —        | —        | —       | —        | —        | —        | 1.3      | —        | —         |
| Weymouth and Melcombe Regis M.B. | 73                            | 4                                       | 40                                       | 29                                    | 2           | —       | —        | —        | 1        | —       | 1        | —        | —        | —        | —        | —         |
|                                  | 3.7                           | 0.8                                     | 4.9                                      | 4.5                                   | 4.7         | —       | —        | —        | 2.3      | —       | 2.3      | —        | —        | —        | —        | —         |
| Remainder of County...           | 455                           | 20                                      | 284                                      | 151                                   | 1           | 2       | 2        | —        | 2        | 2       | 3        | 4        | 1        | 1        | 1        | 1         |
|                                  | 3.8                           | 0.6                                     | 5.7                                      | 3.9                                   | 0.4         | 0.8     | 0.8      | —        | 0.8      | 0.8     | 1.2      | 1.5      | 0.4      | 0.4      | 0.4      | 0.4       |
| DURHAM.                          |                               |   |  |                                       |             |         |          |          |          |         |          |          |          |          |          |           |
| Blaydon U.D. ...                 | 113                           | 17                                      | 76                                       | 20                                    | —           | 3       | 6        | 4        | 3        | —       | 1        | —        | —        | —        | —        | —         |
|                                  | 4.2                           | 2.4                                     | 6.9                                      | 2.3                                   | —           | 5.2     | 10.3     | 6.9      | 5.2      | —       | 1.7      | —        | —        | —        | —        | —         |
| Felling U.D. ...                 | 113                           | 7                                       | 78                                       | 28                                    | —           | 2       | 1        | 3        | —        | 1       | —        | —        | —        | —        | —        | —         |
|                                  | 5.3                           | 1.2                                     | 8.8                                      | 4.0                                   | —           | 4.3     | 2.1      | 6.4      | —        | 2.1     | —        | —        | —        | —        | —        | —         |
| Hartlepool M.B. ...              | 130                           | 19                                      | 73                                       | 38                                    | 2           | 6       | 6        | 3        | —        | —       | —        | —        | —        | —        | —        | —         |
|                                  | 8.1                           | 4.5                                     | 11.0                                     | 7.2                                   | 5.7         | 17.1    | 17.1     | 8.6      | 5.7      | —       | —        | —        | —        | —        | —        | —         |
| Hebburn U.D. ...                 | 229                           | 17                                      | 140                                      | 72                                    | —           | 4       | 6        | 5        | —        | 1       | 1        | —        | —        | —        | —        | —         |
|                                  | 11.9                          | 3.4                                     | 17.7                                     | 11.5                                  | —           | 9.6     | 14.4     | 12.0     | —        | 2.4     | 2.4      | —        | —        | —        | —        | —         |
| Jarrow M.B. ...                  | 264                           | 10                                      | 174                                      | 80                                    | 1           | 4       | 2        | 1        | —        | —       | 1        | —        | —        | 1        | —        | —         |
|                                  | 8.8                           | 1.3                                     | 14.0                                     | 8.2                                   | 1.5         | 6.1     | 3.1      | 1.5      | —        | 1.5     | —        | —        | —        | 1.5      | —        | —         |
| Stanley U.D. ...                 | 110                           | 17                                      | 64                                       | 29                                    | —           | 2       | 2        | 9        | 2        | 1       | —        | 1        | —        | —        | —        | —         |
|                                  | 5.7                           | 3.4                                     | 8.1                                      | 4.6                                   | —           | 4.8     | 4.8      | 21.5     | 4.8      | 2.4     | —        | 2.4      | —        | —        | —        | —         |
| Stockton-on-Tees M.B.            | 283                           | 35                                      | 195                                      | 53                                    | 5           | 7       | 8        | 8        | 3        | 1       | 1        | 1        | 1        | —        | —        | —         |
|                                  | 5.6                           | 2.7                                     | 9.4                                      | 3.2                                   | 4.6         | 6.4     | 7.3      | 7.3      | 2.7      | 0.9     | 0.9      | 0.9      | 0.9      | —        | —        | —         |
| Remainder of County...           | 3,147                         | 401                                     | 1,910                                    | 836                                   | 8           | 56      | 142      | 100      | 46       | 18      | 8        | 9        | 8        | 3        | 2        | 1         |
|                                  | 5.7                           | 2.8                                     | 8.4                                      | 4.7                                   | 0.7         | 4.7     | 11.9     | 8.4      | 3.8      | 1.5     | 0.7      | 0.8      | 0.7      | 0.3      | 0.2      | 0.1       |

TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued*.

| Administrative Counties.   | Whole Period,<br>June 23–May 10. | First Wave,<br>12 weeks,<br>June 23–Sept. 14. | Second Wave,<br>19 weeks,<br>Sept. 15–Jan. 25. | Third Wave,<br>15 weeks,<br>Jan. 26–May 10. | Week ending |            |            |           |           |          |          |          |          |          |          |           |
|----------------------------|----------------------------------|---|--|---|-------------|------------|------------|-----------|-----------|----------|----------|----------|----------|----------|----------|-----------|
|                            |                                  |   |  |   | June 29.    | July 6.    | July 13.   | July 20.  | July 27.  | Aug. 3.  | Aug. 10. | Aug. 17. | Aug. 24. | Aug. 31. | Sept. 7. | Sept. 14. |
| ELY, ISLE OF               | 241<br>4.3                       | 5<br>0.3                                      | 201<br>8.7                                     | 35<br>1.9                                   | —           | 2<br>1.6   | 1<br>0.8   | —         | —         | —        | —        | 1<br>0.8 | 1<br>0.8 | —        | —        | —         |
| ESSEX.                     |                                  |   |  |   |             |            |            |           |           |          |          |          |          |          |          |           |
| Barking Town U.D.          | 201<br>7.2                       | 4<br>0.6                                      | 167<br>14.5                                    | 30<br>3.3                                   | —           | —          | 1<br>1.7   | 1<br>1.7  | 1<br>1.7  | 1<br>1.7 | —        | —        | —        | —        | —        | —         |
| Colchester M.B.            | 157<br>4.7                       | 6<br>0.7                                      | 102<br>7.4                                     | 49<br>4.5                                   | —           | 1<br>1.4   | 2<br>2.8   | 1<br>1.4  | 1<br>1.4  | 1<br>1.4 | —        | —        | —        | —        | —        | —         |
| Ilford U.D.                | 314<br>4.9                       | 12<br>0.7                                     | 238<br>9.0                                     | 64<br>3.1                                   | —           | 4<br>2.9   | 3<br>2.1   | —         | 3<br>2.1  | 1<br>0.7 | —        | —        | —        | —        | —        | 1<br>0.7  |
| Leyton U.D.                | 457<br>4.8                       | 17<br>0.7                                     | 341<br>8.7                                     | 99<br>3.2                                   | 2<br>1.0    | 7<br>3.4   | 3<br>1.4   | 3<br>1.4  | 1<br>0.5  | 1<br>0.5 | —        | —        | —        | —        | —        | —         |
| Walthamstow U.D.           | 472<br>4.7                       | 17<br>0.6                                     | 390<br>9.4                                     | 65<br>2.0                                   | 1<br>0.5    | 2<br>0.9   | 6<br>2.7   | 4<br>1.8  | 2<br>0.9  | 2<br>0.9 | —        | —        | —        | —        | —        | —         |
| Remainder of County        | 1,507<br>4.2                     | 53<br>0.6                                     | 1,181<br>7.9                                   | 273<br>2.3                                  | —           | 9<br>1.1   | 11<br>1.4  | 7<br>0.9  | 12<br>1.5 | 8<br>1.0 | —        | 1<br>0.1 | —        | 2<br>0.3 | 1<br>0.1 | 2<br>0.3  |
| GLOUCESTERSHIRE.           |                                  |   |  |   |             |            |            |           |           |          |          |          |          |          |          |           |
| Cheltenham M.B.            | 206<br>5.5                       | 4<br>0.4                                      | 162<br>10.4                                    | 40<br>3.3                                   | —           | —          | —          | 1<br>1.2  | —         | 2<br>2.4 | —        | —        | —        | —        | 1<br>1.2 | —         |
| Remainder of County        | 954<br>4.3                       | 30<br>0.5                                     | 683<br>7.5                                     | 241<br>3.3                                  | 1<br>0.2    | 3<br>0.6   | 6<br>1.2   | 5<br>1.0  | 4<br>0.8  | 3<br>0.6 | 2<br>0.4 | 1<br>0.2 | 1<br>0.2 | 1<br>0.2 | 2<br>0.4 | 1<br>0.2  |
| HEREFORDSHIRE.             |                                  |   |  |   |             |            |            |           |           |          |          |          |          |          |          |           |
| Hereford M.B.              | 59<br>2.8                        | 10<br>1.8                                     | 42<br>4.8                                      | 7<br>1.0                                    | —           | 2<br>4.3   | 3<br>6.5   | 3<br>6.5  | 2<br>4.3  | —        | —        | —        | —        | —        | —        | —         |
| Remainder of County        | 308<br>4.4                       | 6<br>0.3                                      | 219<br>7.6                                     | 83<br>3.7                                   | —           | 1<br>0.7   | —          | 2<br>1.3  | —         | —        | —        | —        | 1<br>0.7 | 2<br>1.3 | —        | —         |
| HERTFORDSHIRE.             |                                  |   |  |   |             |            |            |           |           |          |          |          |          |          |          |           |
| St. Albans M.B.            | 107<br>5.2                       | 2<br>0.4                                      | 74<br>8.7                                      | 31<br>4.6                                   | —           | 1<br>2.2   | —          | 1<br>2.2  | —         | —        | —        | —        | —        | —        | —        | —         |
| Watford U.D.               | 175<br>4.4                       | 10<br>1.0                                     | 128<br>7.8                                     | 37<br>2.9                                   | 2<br>2.3    | 3<br>3.5   | 1<br>1.2   | 1<br>1.2  | —         | 1<br>1.2 | —        | 2<br>2.3 | —        | —        | —        | —         |
| Remainder of County        | 776<br>3.8                       | 30<br>0.6                                     | 592<br>7.0                                     | 154<br>2.3                                  | 1<br>0.2    | 4<br>0.9   | 6<br>1.4   | 6<br>1.4  | 6<br>1.4  | 2<br>0.5 | 1<br>0.2 | 1<br>0.2 | 2<br>0.5 | —        | 1<br>0.2 | —         |
| HUNTINGDONSHIRE            | 195<br>4.4                       | 3<br>0.3                                      | 165<br>8.9                                     | 27<br>1.8                                   | —           | 1<br>1.0   | —          | 1<br>1.0  | —         | —        | —        | —        | —        | 1<br>1.0 | —        | —         |
| KENT.                      |                                  |   |  |   |             |            |            |           |           |          |          |          |          |          |          |           |
| Beckenham U.D.             | 105<br>4.0                       | 4<br>0.6                                      | 60<br>5.6                                      | 41<br>4.8                                   | —           | 1<br>1.8   | 1<br>1.8   | 1<br>1.8  | —         | —        | —        | —        | —        | 1<br>1.8 | —        | —         |
| Bromley M.B.               | 85<br>3.1                        | 2<br>0.3                                      | 59<br>5.1                                      | 24<br>2.6                                   | —           | 1<br>1.7   | —          | —         | —         | —        | 1<br>1.7 | —        | —        | —        | —        | —         |
| Chatham M.B.               | 223<br>6.7                       | 7<br>0.8                                      | 199<br>14.5                                    | 17<br>1.6                                   | 1<br>1.4    | 2<br>2.8   | 2<br>2.8   | 1<br>1.4  | —         | 1<br>1.4 | —        | —        | —        | —        | —        | —         |
| Dartford U.D.              | 127<br>6.6                       | 2<br>0.4                                      | 109<br>13.6                                    | 16<br>2.5                                   | 1<br>2.4    | —          | 1<br>2.4   | —         | —         | —        | —        | —        | —        | —        | —        | —         |
| Dover M.B.                 | 121<br>4.0                       | 8<br>1.0                                      | 84<br>6.7                                      | 29<br>2.9                                   | —           | 1<br>1.5   | 2<br>3.0   | 3<br>4.5  | —         | 1<br>1.5 | —        | —        | —        | 1<br>1.5 | —        | —         |
| Erith U.D.                 | 91<br>3.2                        | 7<br>0.9                                      | 68<br>5.7                                      | 16<br>1.7                                   | —           | 1<br>1.6   | 1<br>1.6   | 2<br>3.2  | 1<br>1.6  | —        | —        | 1<br>1.6 | —        | —        | 1<br>1.6 | —         |
| Folkestone M.B.            | 93<br>3.7                        | 1<br>0.2                                      | 61<br>5.8                                      | 31<br>3.8                                   | —           | —          | —          | —         | —         | 1<br>1.8 | —        | —        | —        | —        | —        | —         |
| Gillingham M.B.            | 133<br>3.5                       | 8<br>0.8                                      | 102<br>6.5                                     | 23<br>1.9                                   | —           | 4<br>4.8   | 1<br>1.2   | 1<br>1.2  | 1<br>1.2  | —        | 1<br>1.2 | —        | —        | —        | —        | —         |
| Gravesend M.B.             | 96<br>3.9                        | 3<br>0.5                                      | 75<br>7.4                                      | 18<br>2.3                                   | 1<br>1.9    | —          | —          | 2<br>3.8  | —         | —        | —        | —        | —        | —        | —        | —         |
| Maidstone M.B.             | 155<br>5.7                       | 4<br>0.6                                      | 119<br>10.7                                    | 32<br>3.6                                   | —           | —          | 2<br>3.4   | —         | 1<br>1.7  | —        | —        | 1<br>1.7 | —        | —        | —        | —         |
| Margate M.B.               | 77<br>5.1                        | 1<br>0.3                                      | 65<br>10.4                                     | 11<br>2.2                                   | —           | —          | —          | —         | —         | 1<br>3.0 | —        | —        | —        | —        | —        | —         |
| Penge U.D.                 | 77<br>3.9                        | 2<br>0.4                                      | 55<br>6.7                                      | 20<br>3.1                                   | —           | —          | —          | 2<br>4.6  | —         | —        | —        | —        | —        | —        | —        | —         |
| Ramsgate M.B.              | 70<br>4.1                        | 3<br>0.7                                      | 48<br>6.8                                      | 19<br>3.4                                   | —           | —          | 2<br>5.3   | 1<br>2.7  | —         | —        | —        | —        | —        | —        | —        | —         |
| Rochester M.B.             | 156<br>6.2                       | 4<br>0.6                                      | 109<br>10.6                                    | 43<br>5.3                                   | —           | —          | 1<br>1.8   | —         | 1<br>1.8  | —        | —        | 1<br>1.8 | —        | —        | —        | 1<br>1.8  |
| Royal Tunbridge Wells M.B. | 129<br>4.5                       | 4<br>0.5                                      | 98<br>8.3                                      | 27<br>2.9                                   | 1<br>1.6    | —          | 1<br>1.6   | 1<br>1.6  | —         | —        | —        | 1<br>1.6 | —        | —        | —        | —         |
| Remainder of County        | 1,785<br>4.3                     | 53<br>0.5                                     | 1,380<br>8.0                                   | 352<br>2.6                                  | 4<br>0.4    | 5<br>0.5   | 11<br>1.2  | 9<br>1.0  | 7<br>0.8  | 2<br>0.2 | 4<br>0.4 | 5<br>0.5 | 2<br>0.2 | 3<br>0.3 | 1<br>0.1 | —         |
| LANCASHIRE.                |                                  |   |  |   |             |            |            |           |           |          |          |          |          |          |          |           |
| Accrington M.B.            | 118<br>3.4                       | 18<br>2.0                                     | 33<br>2.3                                      | 67<br>5.8                                   | —           | 7<br>9.2   | 6<br>7.8   | 2<br>2.6  | —         | 1<br>1.3 | 1<br>1.3 | —        | —        | —        | —        | 1<br>1.3  |
| Ashton-in-Makerfield U.D.  | 112<br>6.2                       | 19<br>4.0                                     | 68<br>9.1                                      | 25<br>4.3                                   | —           | 3<br>7.7   | 6<br>15.3  | 4<br>10.2 | 5<br>12.8 | —        | —        | —        | 1<br>2.6 | —        | —        | —         |
| Ashton-under-Lyne M.B.     | 190<br>5.4                       | 30<br>3.3                                     | 87<br>6.0                                      | 73<br>6.4                                   | —           | 9<br>11.8  | 12<br>15.8 | 3<br>3.9  | 3<br>3.9  | 1<br>1.3 | —        | 1<br>1.3 | 1<br>1.3 | —        | —        | —         |
| Bacup M.B.                 | 59<br>3.6                        | 26<br>6.0                                     | 14<br>2.0                                      | 19<br>3.5                                   | 7<br>19.4   | 12<br>33.3 | 4<br>11.1  | —         | 2<br>5.6  | 1<br>2.8 | —        | —        | —        | —        | —        | —         |





TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued.*

| Administrative Counties.  | Whole Period,<br>June 23–May 10 | Week ending                                   |  |   |          |         |          |          |          |         |          |          |          |          |          |           |
|---------------------------|---------------------------------|---|--|---|----------|---------|----------|----------|----------|---------|----------|----------|----------|----------|----------|-----------|
|                           |                                 | First Wave,<br>12 weeks,<br>June 23–Sept. 14. | Second Wave,<br>19 weeks,<br>Sept. 15–Jan. 25. | Third Wave,<br>15 weeks,<br>Jan. 26–May 10. | June 29. | July 6. | July 13. | July 20. | July 27. | Aug. 3. | Aug. 10. | Aug. 17. | Aug. 24. | Aug. 31. | Sept. 7. | Sept. 14. |
| MIDDLESEX—cont.           |                                 |   |  |   |          |         |          |          |          |         |          |          |          |          |          |           |
| Hendon U.D. ...           | 151                             | 9   | 113  | 29  | 1        | 4       | 2        | —        | —        | 1       | —        | 1        | —        | —        | —        | —         |
| Hendon U.D. ...           | 3·4                             | 0·8   | 6·2  | 2·0   | 1·0      | 4·2     | 2·1      | —        | —        | 1·0     | —        | 1·0      | —        | —        | —        | —         |
| Heston and Isleworth U.D. | 150                             | 5   | 117  | 28  | 3        | 1       | 1        | —        | —        | —       | —        | —        | —        | —        | —        | —         |
| Heston and Isleworth U.D. | 4·4                             | 0·6   | 8·3  | 2·5   | 4·1      | 1·4     | 1·4      | —        | —        | —       | —        | —        | —        | —        | —        | —         |
| Hornsey M.B. ...          | 304                             | 13  | 208  | 83  | —        | 3       | 4        | 3        | 1        | 1       | 1        | —        | —        | —        | —        | —         |
| Hornsey M.B. ...          | 4·4                             | 0·7   | 7·2  | 3·6   | —        | 2·0     | 2·6      | 2·0      | 0·7      | 0·7     | 0·7      | —        | —        | —        | —        | —         |
| Southall Norwood U.D.     | 95                              | 8   | 72   | 15  | —        | 2       | —        | 2        | 2        | —       | 1        | 1        | —        | —        | —        | —         |
| Southall Norwood U.D.     | 3·6                             | 1·2   | 6·6  | 1·8   | —        | 3·5     | —        | 3·5      | 3·5      | —       | 1·8      | 1·8      | —        | —        | —        | —         |
| Southgate U.D....         | 134                             | 6   | 79   | 49  | —        | 2       | 2        | —        | —        | —       | —        | 1        | —        | —        | 1        | —         |
| Southgate U.D....         | 4·3                             | 0·7   | 6·1  | 4·8   | —        | 2·9     | 2·9      | —        | —        | —       | —        | 1·5      | —        | —        | 1·5      | —         |
| Tottenham U.D.            | 573                             | 43  | 423  | 107   | 1        | 9       | 5        | 14       | 4        | 1       | 1        | —        | —        | —        | 3        | 5         |
| Tottenham U.D.            | 4·6                             | 1·3   | 8·3  | 2·7   | 0·4      | 3·3     | 1·9      | 5·2      | 1·5      | 0·4     | 0·4      | —        | —        | —        | 1·1      | 1·9       |
| Twickenham U.D.           | 137                             | 5   | 105  | 27  | 1        | 2       | —        | 1        | —        | 1       | —        | —        | —        | —        | —        | —         |
| Twickenham U.D.           | 4·5                             | 0·6   | 8·4  | 2·7   | 1·5      | 3·0     | —        | 1·5      | —        | 1·5     | —        | —        | —        | —        | —        | —         |
| Willesden U.D....         | 636                             | 38  | 509  | 89  | 3        | 12      | 13       | 6        | 2        | —       | —        | 1        | —        | —        | 1        | —         |
| Willesden U.D....         | 4·8                             | 1·1   | 9·3  | 2·1   | 1·0      | 4·2     | 4·5      | 2·1      | 0·7      | —       | —        | 0·3      | —        | —        | 0·3      | —         |
| Wood Green U.D.           | 216                             | 7   | 144  | 65  | —        | 1       | 1        | 2        | —        | 1       | —        | 1        | 1        | —        | —        | —         |
| Wood Green U.D.           | 5·1                             | 0·6   | 8·3  | 4·7   | —        | 1·1     | 1·1      | 2·2      | —        | 1·1     | —        | 1·1      | 1·1      | —        | —        | —         |
| Remainder of County ...   | 726                             | 24  | 547  | 155   | —        | 8       | 3        | 5        | 2        | 2       | —        | 1        | —        | 2        | 1        | —         |
| Remainder of County ...   | 3·7                             | 0·5   | 6·8  | 2·5   | —        | 1·9     | 0·7      | 1·2      | 0·5      | 0·5     | —        | 0·2      | —        | 0·5      | 0·2      | —         |
| MONMOUTHSHIRE.            |                                 |   |  |   |          |         |          |          |          |         |          |          |          |          |          |           |
| Abersychan U.D.           | 60                              | 8   | 44   | 8   | —        | —       | 1        | 1        | 1        | —       | 2        | —        | 1        | —        | 2        | —         |
| Abersychan U.D.           | 2·8                             | 1·4   | 4·9  | 1·1   | —        | —       | 2·1      | 2·1      | 2·1      | —       | 4·2      | —        | 2·1      | —        | 4·2      | —         |
| Abertillery U.D           | 163                             | 29  | 113  | 21  | 2        | 3       | 11       | 7        | 3        | 2       | —        | 1        | —        | —        | —        | —         |
| Abertillery U.D           | 5·1                             | 3·5   | 8·6  | 2·0   | 2·9      | 4·3     | 15·9     | 10·1     | 4·3      | 2·9     | —        | 1·4      | —        | —        | —        | —         |
| Bedwellty U.D.            | 88                              | 17  | 46   | 25  | —        | 2       | 6        | 6        | —        | 1       | —        | —        | 1        | —        | —        | 1         |
| Bedwellty U.D.            | 3·6                             | 2·6   | 4·5  | 3·1   | —        | 3·7     | 11·2     | 11·2     | —        | 1·9     | —        | —        | 1·9      | —        | —        | 1·9       |
| Ebbw Vale U.D.            | 81                              | 17  | 33   | 31  | —        | 3       | 7        | 2        | 3        | 1       | —        | 1        | —        | —        | —        | —         |
| Ebbw Vale U.D.            | 2·6                             | 2·1   | 2·5  | 3·0   | —        | 4·4     | 10·2     | 2·9      | 4·4      | 1·5     | —        | 1·5      | —        | —        | —        | —         |
| Tredeggar U.D. ...        | 55                              | 4   | 34   | 17  | —        | —       | —        | 1        | 2        | 1       | —        | —        | —        | —        | —        | —         |
| Tredeggar U.D. ...        | 2·7                             | 0·8   | 4·1  | 2·6   | —        | —       | —        | 2·3      | 4·6      | 2·3     | —        | —        | —        | —        | —        | —         |
| Remainder of County ...   | 624                             | 62  | 403  | 159   | 6        | 10      | 11       | 14       | 7        | 6       | 1        | —        | 2        | 3        | —        | 2         |
| Remainder of County ...   | 4·0                             | 1·5   | 6·3  | 3·2   | 1·8      | 3·0     | 3·3      | 4·2      | 2·1      | 1·8     | 0·3      | —        | 0·6      | 1·0      | —        | 0·6       |
| NORFOLK.                  |                                 |   |  |   |          |         |          |          |          |         |          |          |          |          |          |           |
| King's Lynn M.B.          | 89                              | 1   | 81   | 7   | —        | —       | —        | —        | 1        | —       | —        | —        | —        | —        | —        | —         |
| King's Lynn M.B.          | 5·6                             | 0·2   | 12·4   | 1·4   | —        | —       | —        | —        | 2·9      | —       | —        | —        | —        | —        | —        | —         |
| Remainder of County ...   | 899                             | 16  | 676  | 207   | —        | 2       | 1        | 4        | 3        | 1       | —        | —        | 2        | 3        | —        | —         |
| Remainder of County ...   | 3·9                             | 0·3   | 7·0  | 2·7   | —        | 0·4     | 0·2      | 0·8      | 0·6      | 0·2     | —        | —        | 0·4      | 0·6      | —        | —         |
| NORTHAMPTONSHIRE.         |                                 |   |  |   |          |         |          |          |          |         |          |          |          |          |          |           |
| Kettering U.D....         | 94                              | 1   | 36   | 57  | —        | —       | —        | 1        | —        | —       | —        | —        | —        | —        | —        | —         |
| Kettering U.D....         | 3·8                             | 0·2   | 3·5  | 7·0   | —        | —       | —        | 1·8      | —        | —       | —        | —        | —        | —        | —        | —         |
| Remainder of County ...   | 668                             | 23  | 489  | 156   | —        | 3       | 4        | 3        | 1        | 3       | 4        | 3        | —        | 1        | 1        | —         |
| Remainder of County ...   | 4·6                             | 0·6   | 8·2  | 3·3   | —        | 1·0     | 1·3      | 1·0      | 0·3      | 1·0     | 1·3      | 1·0      | —        | 0·3      | 0·3      | —         |
| NORTHUMBERLAND.           |                                 |   |  |   |          |         |          |          |          |         |          |          |          |          |          |           |
| Ashington U.D.            | 83                              | 15  | 40   | 28  | 1        | 3       | 8        | 2        | 1        | —       | —        | —        | —        | —        | —        | —         |
| Ashington U.D.            | 3·8                             | 2·6   | 4·4  | 3·9   | 2·1      | 6·3     | 16·7     | 4·2      | 2·1      | —       | —        | —        | —        | —        | —        | —         |
| Bedlingtonshire U.D. ...  | 109                             | 13  | 59   | 37  | —        | 8       | 2        | 2        | 1        | —       | —        | —        | —        | —        | —        | —         |
| Bedlingtonshire U.D. ...  | 5·3                             | 2·4   | 7·0  | 5·6   | —        | 18·1    | 4·5      | 4·5      | 2·3      | —       | —        | —        | —        | —        | —        | —         |
| Blyth U.D.                | 144                             | 19  | 76   | 49  | —        | 9       | 8        | —        | 2        | —       | —        | —        | —        | —        | —        | —         |
| Blyth U.D.                | 5·8                             | 3·0   | 7·5  | 6·1   | —        | 16·8    | 14·9     | —        | 3·7      | —       | —        | —        | —        | —        | —        | —         |
| Wallsend M.B. ...         | 318                             | 23  | 215  | 80  | —        | 3       | 10       | 2        | 4        | 1       | —        | 1        | 2        | —        | —        | —         |
| Wallsend M.B. ...         | 8·3                             | 2·3   | 13·5   | 6·4   | —        | 3·6     | 12·0     | 2·4      | 4·8      | 1·2     | —        | 1·2      | 2·4      | —        | —        | —         |
| Remainder of County ...   | 933                             | 67  | 609  | 257   | —        | 12      | 13       | 20       | 14       | 4       | 2        | —        | 1        | —        | —        | 1         |
| Remainder of County ...   | 4·5                             | 1·2   | 7·1  | 3·8   | —        | 2·7     | 2·9      | 4·4      | 3·1      | 0·9     | 0·4      | —        | 0·2      | —        | —        | 0·2       |
| NOTTINGHAMSHIRE.          |                                 |   |  |   |          |         |          |          |          |         |          |          |          |          |          |           |
| Mansfield M.B. ...        | 150                             | 16  | 114  | 20  | 1        | 7       | 6        | 1        | —        | 1       | —        | —        | —        | —        | —        | —         |
| Mansfield M.B. ...        | 4·4                             | 1·8   | 8·1  | 1·8   | 1·3      | 9·4     | 8·1      | 1·3      | —        | 1·3     | —        | —        | —        | —        | —        | —         |
| Sutton-in-Ashfield U.D.   | 124                             | 8   | 104  | 12  | —        | 2       | 2        | 4        | —        | —       | —        | —        | —        | —        | —        | —         |
| Sutton-in-Ashfield U.D.   | 6·5                             | 1·6   | 13·1   | 1·9   | —        | 4·8     | 4·8      | 9·6      | —        | —       | —        | —        | —        | —        | —        | —         |
| Worksop U.D. ...          | 127                             | 4   | 117  | 6   | —        | —       | 2        | —        | 2        | —       | —        | —        | —        | —        | —        | —         |
| Worksop U.D. ...          | 7·0                             | 0·8   | 15·7   | 1·0   | —        | —       | 5·1      | —        | 5·1      | —       | —        | —        | —        | —        | —        | —         |
| Remainder of County ...   | 1,445                           | 83  | 1,093  | 269   | 2        | 10      | 20       | 27       | 9        | 6       | —        | 2        | 1        | 5        | 1        | —         |
| Remainder of County ...   | 6·3                             | 1·4   | 11·6   | 3·6   | 0·4      | 2·0     | 4·0      | 5·4      | 1·8      | 1·2     | —        | 0·4      | 0·2      | 1·0      | 0·2      | —         |
| OXFORDSHIRE               |                                 |   |  |   |          |         |          |          |          |         |          |          |          |          |          |           |
| Oxfordshire               | 526                             | 9   | 410  | 107   | —        | —       | 1        | 3        | 2        | 1       | —        | 2        | —        | —        | —        | —         |
| Oxfordshire               | 5·0                             | 0·3   | 9·4  | 3·1   | —        | —       | 0·4      | 1·3      | 0·9      | 0·4     | —        | 0·9      | —        | —        | —        | —         |
| PETERBOROUGH, SOKE OF.    |                                 |   |  |   |          |         |          |          |          |         |          |          |          |          |          |           |
| Peterborough M.B.         | 117                             | 5   | 76   | 36  | —        | 1       | 3        | —        | 1        | —       | —        | —        | —        | —        | —        | —         |
| Peterborough M.B.         | 3·8                             | 0·6   | 5·9  | 3·5   | —        | 1·5     | 4·4      | —        | 1·5      | —       | —        | —        | —        | —        | —        | —         |
| Remainder of County ...   | 30                              | 1   | 22   | 7   | —        | —       | —        | 1        | —        | —       | —        | —        | —        | —        | —        | —         |
| Remainder of County ...   | 3·2                             | 0·4   | 5·7  | 2·3   | —        | —       | —        | 5·0      | —        | —       | —        | —        | —        | —        | —        | —         |
| RUTLANDSHIRE              |                                 |   |  |   |          |         |          |          |          |         |          |          |          |          |          |           |
| Rutlandshire              | 108                             | 1   | 98   | 9   | —        | —       | —        | —        | —        | —       | —        | —        | 1        | —        | —        | —         |
| Rutlandshire              | 6·9                             | 0·2   | 15·3   | 1·8   | —        | —       | —        | —        | —        | —       | —        | —        | 3·0      | —        | —        | —         |



TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued.*

| Administrative Counties.    | Whole Period,<br>June 23–May 10. | First Wave,<br>12 weeks,<br>June 23–Sept. 14. | Second Wave,<br>19 weeks,<br>Sept. 15–Jan. 25. | Third Wave,<br>15 weeks,<br>Jan. 26–May 10. | Week ending |         |          |          |          |         |          |          |          |          |          |           |
|-----------------------------|----------------------------------|---|--|---|-------------|---------|----------|----------|----------|---------|----------|----------|----------|----------|----------|-----------|
|                             |                                  |   |  |   | June 29.    | July 6. | July 13. | July 20. | July 27. | Aug. 3. | Aug. 10. | Aug. 17. | Aug. 24. | Aug. 31. | Sept. 7. | Sept. 14. |
| SHROPSHIRE.                 |                                  |   |  |   |             |         |          |          |          |         |          |          |          |          |          |           |
| Shrewsbury M.B. ...         | 154                              | 11  | 96   | 47  | 1           | 2       | 2        | 4        | 1        | —       | 1        | —        | —        | —        | —        | —         |
|                             | 6·3                              | 1·7   | 9·5  | 5·9   | 1·9         | 3·8     | 3·8      | 7·5      | 1·9      | —       | 1·9      | —        | —        | —        | —        | —         |
| Remainder of County ...     | 916                              | 38  | 580  | 298   | —           | 2       | 3        | 6        | 4        | 4       | 2        | 2        | 1        | 6        | 5        | 3         |
|                             | 5·5                              | 0·9   | 8·5  | 5·5   | —           | 0·6     | 0·8      | 1·7      | 1·1      | 1·1     | 0·6      | 0·6      | 0·3      | 1·7      | 1·4      | 0·8       |
| SOMERSETSHIRE.              |                                  |   |  |   |             |         |          |          |          |         |          |          |          |          |          |           |
| Taunton M.B. ...            | 47                               | 8   | 29   | 10  | —           | 1       | —        | —        | 1        | 2       | —        | 1        | —        | 1        | 2        | —         |
|                             | 2·7                              | 1·8   | 4·1  | 1·8   | —           | 2·7     | —        | —        | 2·7      | 5·3     | —        | 2·7      | —        | 2·7      | 5·3      | —         |
| Weston-super-Mare U.D.      | 83                               | 2   | 68   | 13  | —           | 1       | —        | —        | —        | —       | —        | —        | —        | —        | —        | 1         |
|                             | 4·1                              | 0·4   | 8·2  | 2·0   | —           | 2·3     | —        | —        | —        | —       | —        | —        | —        | —        | —        | 2·3       |
| Remainder of County ...     | 1,089                            | 23  | 733  | 333   | —           | —       | 4        | 3        | 3        | 1       | 2        | 4        | 2        | 2        | —        | 2         |
|                             | 4·1                              | 0·3   | 6·7  | 3·9   | —           | —       | 0·7      | 0·5      | 0·5      | 0·2     | 0·3      | 0·7      | 0·3      | 0·3      | —        | 0·3       |
| SOUTHAMPTON.                |                                  |   |  |   |             |         |          |          |          |         |          |          |          |          |          |           |
| Aldershot U.D....           | 72                               | 5   | 46   | 21  | —           | 3       | 1        | 1        | —        | —       | —        | —        | —        | —        | —        | —         |
|                             | 3·8                              | 1·0   | 5·9  | 3·4   | —           | 7·3     | 2·4      | 2·4      | —        | —       | —        | —        | —        | —        | —        | —         |
| Gosport and Alverstoke U.D. | 76                               | 4   | 45   | 27  | —           | —       | 1        | 2        | —        | —       | 1        | —        | —        | —        | —        | —         |
|                             | 3·1                              | 0·6   | 4·4  | 3·4   | —           | —       | 1·9      | 3·7      | —        | —       | 1·9      | —        | —        | —        | —        | —         |
| Winchester M.B. ...         | 50                               | 3   | 32   | 15  | 1           | —       | —        | —        | —        | —       | —        | 2        | —        | —        | —        | —         |
|                             | 2·5                              | 0·6   | 3·9  | 2·3   | 2·3         | —       | —        | —        | —        | —       | —        | 4·6      | —        | —        | —        | —         |
| Remainder of County ...     | 999                              | 27  | 695  | 277   | 1           | 3       | 5        | 2        | 4        | 1       | —        | 3        | 1        | 3        | 2        | 2         |
|                             | 3·6                              | 0·4   | 6·1  | 3·1   | 0·2         | 0·5     | 0·8      | 0·3      | 0·7      | 0·2     | —        | 0·5      | 0·2      | 0·5      | 0·3      | 0·3       |
| STAFFORDSHIRE.              |                                  |   |  |   |             |         |          |          |          |         |          |          |          |          |          |           |
| Bilston U.D. ...            | 158                              | 17  | 113  | 28  | —           | 2       | 3        | 6        | 5        | 1       | —        | —        | —        | —        | —        | —         |
|                             | 7·8                              | 3·2   | 13·4   | 4·2   | —           | 4·5     | 6·8      | 13·5     | 11·3     | 2·3     | —        | —        | —        | —        | —        | —         |
| Cannock U.D. ...            | 146                              | 25  | 93   | 28  | 2           | 5       | 5        | 8        | —        | 4       | —        | —        | —        | —        | —        | 1         |
|                             | 5·7                              | 3·8   | 8·9  | 3·4   | 3·6         | 9·1     | 9·1      | 14·5     | —        | 7·2     | —        | —        | —        | —        | —        | 1·8       |
| Coseley U.D. ...            | 108                              | 13  | 77   | 18  | —           | 5       | 6        | —        | 1        | 1       | —        | —        | —        | —        | —        | —         |
|                             | 5·7                              | 2·6   | 9·9  | 2·9   | —           | 12·2    | 14·6     | —        | 2·4      | 2·4     | —        | —        | —        | —        | —        | —         |
| Newcastle-under-Lyme M.B.   | 95                               | 11  | 50   | 34  | —           | 2       | 3        | 6        | —        | —       | —        | —        | —        | —        | —        | —         |
|                             | 6·0                              | 2·7   | 7·6  | 6·6   | —           | 5·8     | 8·7      | 17·4     | —        | —       | —        | —        | —        | —        | —        | —         |
| Rowley Regis U.D. ...       | 218                              | 17  | 110  | 91  | 3           | 8       | 5        | 1        | —        | —       | —        | —        | —        | —        | —        | —         |
|                             | 6·9                              | 2·1   | 8·4  | 8·8   | 4·4         | 11·6    | 7·3      | 1·5      | —        | —       | —        | —        | —        | —        | —        | —         |
| Stafford M.B. ...           | 97                               | 20  | 45   | 32  | —           | 1       | 7        | 9        | 1        | 2       | —        | —        | —        | —        | —        | —         |
|                             | 4·6                              | 3·6   | 5·1  | 4·6   | —           | 2·2     | 15·1     | 19·4     | 2·2      | 4·3     | —        | —        | —        | —        | —        | —         |
| Tipton U.D. ...             | 192                              | 19  | 138  | 35  | —           | 6       | 4        | 5        | 3        | —       | —        | 1        | —        | —        | —        | —         |
|                             | 7·0                              | 2·6   | 12·1   | 3·9   | —           | 10·0    | 6·7      | 8·3      | 5·0      | —       | —        | 1·7      | —        | —        | —        | —         |
| Wednesbury M.B. ...         | 179                              | 12  | 149  | 18  | —           | 1       | 7        | 3        | 1        | —       | —        | —        | —        | —        | —        | —         |
|                             | 7·1                              | 1·8   | 14·3   | 2·2   | —           | 1·8     | 12·8     | 5·5      | 1·8      | —       | —        | —        | —        | —        | —        | —         |
| Wolstanton United U.D.      | 118                              | 13  | 76   | 29  | —           | 6       | 4        | 2        | 1        | —       | —        | —        | —        | —        | —        | —         |
|                             | 5·0                              | 2·1   | 7·8  | 3·8   | —           | 11·7    | 7·8      | 3·9      | 1·9      | —       | —        | —        | —        | —        | —        | —         |
| Remainder of County ...     | 1,942                            | 165   | 1,281  | 496   | 3           | 26      | 41       | 46       | 19       | 15      | 3        | 4        | 1        | 3        | 1        | 3         |
|                             | 5·7                              | 1·8   | 9·1  | 4·4   | 0·4         | 3·5     | 5·5      | 6·2      | 2·6      | 2·0     | 0·4      | 0·5      | 0·1      | 0·4      | 0·1      | 0·4       |
| SUFFOLK, EAST.              |                                  |   |  |   |             |         |          |          |          |         |          |          |          |          |          |           |
| Lowestoft M.B. ...          | 97                               | 2   | 71   | 24  | —           | —       | —        | —        | —        | —       | —        | 1        | 1        | —        | —        | —         |
|                             | 3·6                              | 0·3   | 6·5  | 2·8   | —           | —       | —        | —        | —        | —       | —        | 1·7      | 1·7      | —        | —        | —         |
| Remainder of County ...     | 495                              | 9   | 328  | 158   | 1           | —       | —        | 1        | —        | 2       | 2        | —        | 1        | 1        | 1        | —         |
|                             | 3·8                              | 0·3   | 6·1  | 3·7   | 0·4         | —       | —        | 0·4      | —        | 0·7     | 0·7      | —        | 0·4      | 0·4      | 0·4      | —         |
| SUFFOLK, WEST               | 383                              | 10  | 302  | 71  | —           | 2       | 1        | 3        | 2        | —       | —        | 2        | —        | —        | —        | —         |
|                             | 4·5                              | 0·4   | 8·5  | 2·5   | —           | 1·1     | 0·5      | 1·6      | 1·1      | —       | —        | 1·1      | —        | —        | —        | —         |
| SURREY.                     |                                  |   |  |   |             |         |          |          |          |         |          |          |          |          |          |           |
| Barnes U.D. ...             | 107                              | 8   | 79   | 20  | 1           | 2       | 1        | 1        | 2        | 1       | —        | —        | —        | —        | —        | —         |
|                             | 3·9                              | 1·1   | 6·9  | 2·2   | 1·7         | 3·3     | 1·7      | 1·7      | 3·3      | 1·7     | —        | —        | —        | —        | —        | —         |
| Guildford M.B....           | 98                               | 1   | 68   | 29  | —           | —       | —        | —        | —        | —       | —        | —        | —        | —        | —        | 1         |
|                             | 4·9                              | 0·2   | 8·2  | 4·4   | —           | —       | —        | —        | —        | —       | —        | —        | —        | —        | —        | 2·3       |
| Kingston-on-Thames M.B.     | 150                              | 4   | 100  | 46  | —           | 2       | 1        | —        | —        | —       | —        | —        | —        | —        | 1        | —         |
|                             | 4·7                              | 0·5   | 7·5  | 4·4   | —           | 2·9     | 1·4      | —        | —        | —       | —        | —        | —        | —        | 1·4      | —         |
| Mitcham U.D. ...            | 141                              | 7   | 113  | 21  | —           | —       | 1        | 4        | 2        | —       | —        | —        | —        | —        | —        | —         |
|                             | 5·2                              | 1·0   | 10·1   | 2·4   | —           | —       | 1·7      | 6·8      | 3·4      | —       | —        | —        | —        | —        | —        | —         |
| Reigate M.B. ...            | 77                               | 3   | 58   | 16  | —           | 2       | —        | —        | —        | 1       | —        | —        | —        | —        | —        | —         |
|                             | 3·3                              | 0·5   | 6·0  | 2·1   | —           | 3·9     | —        | —        | —        | 2·0     | —        | —        | —        | —        | —        | —         |
| Richmond M.B. ...           | 116                              | 4   | 85   | 27  | —           | —       | 2        | —        | 1        | —       | —        | —        | —        | —        | —        | 1         |
|                             | 3·9                              | 0·5   | 7·0  | 2·8   | —           | —       | 3·1      | —        | 1·6      | —       | —        | —        | —        | —        | —        | 1·6       |
| Sutton U.D. ...             | 32                               | 3   | 15   | 14  | —           | 1       | 1        | 1        | —        | —       | —        | —        | —        | —        | —        | —         |
|                             | 1·9                              | 0·7   | 2·1  | 2·5   | —           | 2·7     | 2·7      | 2·7      | —        | —       | —        | —        | —        | —        | —        | —         |
| Wimbledon M.B. ...          | 203                              | 9   | 138  | 56  | —           | 4       | 1        | —        | 1        | 1       | —        | —        | 1        | —        | 1        | —         |
|                             | 4·5                              | 0·7   | 7·4  | 3·8   | —           | 4·1     | 1·0      | —        | 1·0      | 1·0     | —        | —        | 1·0      | —        | 1·0      | —         |
| Woking U.D. ...             | 47                               | 2   | 33   | 12  | —           | —       | 1        | —        | —        | —       | —        | 1        | —        | —        | —        | —         |
|                             | 2·3                              | 0·4   | 3·8  | 1·8   | —           | —       | 2·2      | —        | —        | —       | —        | 2·2      | —        | —        | —        | —         |
| Remainder of County ...     | 1,115                            | 53  | 774  | 288   | 6           | 7       | 12       | 7        | 4        | 4       | 3        | 3        | 4        | —        | 2        | 1         |
|                             | 3·4                              | 0·6   | 5·7  | 2·7   | 0·8         | 1·0     | 1·7      | 1·0      | 0·6      | 0·6     | 0·4      | 0·4      | 0·6      | —        | 0·3      | 0·1       |
| SUSSEX, EAST.               |                                  |   |  |   |             |         |          |          |          |         |          |          |          |          |          |           |
| Hove M.B. ...               | 135                              | 5   | 95   | 35  | —           | —       | 2        | —        | 1        | 1       | —        | —        | —        | —        | 1        | —         |
|                             | 3·8                              | 0·5   | 6·4  | 3·0   | —           | —       | 2·6      | —        | 1·3      | 1·3     | —        | —        | —        | —        | 1·3      | —         |
| Remainder of County ...     | 681                              | 29  | 512  | 140   | 2           | 5       | 3        | 2        | 2        | 2       | 3        | 2        | 1        | 2        | 2        | 3         |
|                             | 4·3                              | 0·7   | 7·8  | 2·7   | 0·6         | 1·5     | 0·9      | 0·6      | 0·6      | 0·6     | 0·9      | 0·6      | 0·3      | 0·6      | 0·6      | 0·9       |

TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued*.

| Administrative Counties.  | Whole Period, June 23–May 10. | First Wave, 12 weeks, June 23–Sept. 14. | Second Wave, 19 weeks, Sept. 15–Jan. 25. | Third Wave, 15 weeks, Jan. 26–May 10. | Week ending |         |          |          |          |         |          |          |          |          |          |           |
|---------------------------|-------------------------------|---|--|---------------------------------------|-------------|---------|----------|----------|----------|---------|----------|----------|----------|----------|----------|-----------|
|                           |                               |   |  |                                       | June 29.    | July 6. | July 13. | July 20. | July 27. | Aug. 3. | Aug. 10. | Aug. 17. | Aug. 24. | Aug. 31. | Sept. 7. | Sept. 14. |
| SUSSEX, WEST.             |                               |   |  |                                       |             |         |          |          |          |         |          |          |          |          |          |           |
| Worthing M.B. ...         | 95                            | 2                                       | 70                                       | 23                                    | —           | —       | 1        | —        | —        | —       | —        | 1        | —        | —        | —        | —         |
|                           | 3·7                           | 0·3                                     | 6·7                                      | 2·8                                   | —           | —       | 1·8      | —        | —        | —       | —        | 1·8      | —        | —        | —        | —         |
| Remainder of County ...   | 456                           | 13                                      | 319                                      | 124                                   | 1           | 1       | 3        | 2        | 2        | —       | 1        | 1        | —        | —        | 2        | —         |
|                           | 3·9                           | 0·4                                     | 6·6                                      | 3·2                                   | 0·4         | 0·4     | 1·2      | 0·8      | 0·8      | —       | 0·4      | 0·4      | —        | —        | 0·8      | —         |
| WARWICKSHIRE.             |                               |   |  |                                       |             |         |          |          |          |         |          |          |          |          |          |           |
| Nuneaton M.B. ...         | 175                           | 11                                      | 138                                      | 26                                    | —           | 1       | 2        | 2        | 3        | 1       | 1        | —        | —        | —        | —        | 1         |
|                           | 5·4                           | 1·3                                     | 10·4                                     | 2·5                                   | —           | 1·4     | 2·9      | 2·9      | 4·3      | 1·4     | 1·4      | —        | —        | —        | —        | 1·4       |
| Royal Leamington Spa M.B. | 113                           | 3                                       | 99                                       | 11                                    | —           | —       | —        | 1        | 1        | —       | —        | —        | 1        | —        | —        | —         |
|                           | 4·7                           | 0·5                                     | 9·9                                      | 1·4                                   | —           | —       | —        | 1·9      | 1·9      | —       | —        | —        | 1·9      | —        | —        | —         |
| Rugby U.D. ...            | 119                           | 6                                       | 85                                       | 28                                    | —           | 2       | 3        | —        | 1        | —       | —        | —        | —        | —        | —        | —         |
|                           | 5·9                           | 1·1                                     | 10·3                                     | 4·3                                   | —           | 4·6     | 6·9      | —        | 2·3      | —       | —        | —        | —        | —        | —        | —         |
| Sutton Coldfield M.B. ... | 73                            | 5                                       | 47                                       | 21                                    | —           | —       | 2        | 2        | 1        | —       | —        | —        | —        | —        | —        | —         |
|                           | 4·0                           | 1·0                                     | 6·2                                      | 3·5                                   | —           | —       | 5·0      | 5·0      | 2·5      | —       | —        | —        | —        | —        | —        | —         |
| Remainder of County ...   | 873                           | 28                                      | 689                                      | 156                                   | 1           | 6       | 7        | 7        | 2        | 3       | 1        | —        | —        | 1        | —        | —         |
|                           | 5·1                           | 0·6                                     | 9·8                                      | 2·8                                   | 0·3         | 1·6     | 1·9      | 1·9      | 0·5      | 0·8     | 0·3      | —        | —        | 0·3      | —        | —         |
| WESTMORLAND ...           | 224                           | 15                                      | 159                                      | 50                                    | —           | 1       | 2        | 4        | 1        | 2       | 2        | —        | 1        | —        | 2        | —         |
|                           | 4·7                           | 1·2                                     | 8·0                                      | 3·2                                   | —           | 1·0     | 1·9      | 3·8      | 1·0      | 1·9     | 1·9      | —        | 1·0      | —        | 1·9      | —         |
| WIGHT, ISLE OF ...        | 231                           | 13                                      | 170                                      | 48                                    | 1           | 1       | 2        | 1        | 3        | 1       | —        | 1        | 2        | 1        | —        | —         |
|                           | 3·4                           | 0·7                                     | 6·0                                      | 2·1                                   | 0·7         | 0·7     | 1·3      | 0·7      | 2·0      | 0·7     | —        | 0·7      | 1·3      | 0·7      | —        | —         |
| WILTSHIRE.                |                               |   |  |                                       |             |         |          |          |          |         |          |          |          |          |          |           |
| Salisbury M.B. ...        | 63                            | 2                                       | 43                                       | 18                                    | —           | 1       | —        | —        | 1        | —       | —        | —        | —        | —        | —        | —         |
|                           | 3·4                           | 0·4                                     | 5·7                                      | 3·0                                   | —           | 2·5     | —        | —        | 2·5      | —       | —        | —        | —        | —        | —        | —         |
| Swindon M.B. ...          | 159                           | 8                                       | 128                                      | 23                                    | —           | 1       | —        | 2        | 2        | —       | 1        | —        | 1        | —        | 1        | —         |
|                           | 3·6                           | 0·7                                     | 7·0                                      | 1·6                                   | —           | 1·0     | —        | 2·1      | 2·1      | —       | 1·0      | —        | 1·0      | —        | 1·0      | —         |
| Remainder of County ...   | 611                           | 15                                      | 455                                      | 141                                   | —           | 2       | 2        | 3        | 3        | 1       | 2        | 1        | 1        | —        | —        | —         |
|                           | 3·7                           | 0·3                                     | 6·6                                      | 2·6                                   | —           | 0·6     | 0·6      | 0·8      | 0·8      | 0·3     | 0·6      | 0·3      | 0·3      | —        | —        | —         |
| WORCESTERSHIRE.           |                               |   |  |                                       |             |         |          |          |          |         |          |          |          |          |          |           |
| Kidderminster M.B. ...    | 171                           | 2                                       | 136                                      | 33                                    | —           | —       | 1        | 1        | —        | —       | —        | —        | —        | —        | —        | —         |
|                           | 8·5                           | 0·4                                     | 16·3                                     | 5·0                                   | —           | —       | 2·3      | 2·3      | —        | —       | —        | —        | —        | —        | —        | —         |
| Oldbury U.D. ...          | 161                           | 11                                      | 112                                      | 38                                    | 1           | 3       | 3        | 3        | —        | 1       | —        | —        | —        | —        | —        | —         |
|                           | 5·2                           | 1·4                                     | 8·7                                      | 3·8                                   | 1·5         | 4·5     | 4·5      | 4·5      | —        | 1·5     | —        | —        | —        | —        | —        | —         |
| Remainder of County ...   | 973                           | 65                                      | 678                                      | 230                                   | 1           | 14      | 11       | 19       | 8        | 5       | 3        | 3        | —        | —        | —        | 1         |
|                           | 5·4                           | 1·4                                     | 9·1                                      | 3·9                                   | 0·3         | 3·6     | 2·8      | 4·9      | 2·0      | 1·3     | 0·8      | 0·8      | —        | —        | —        | 0·3       |
| YORKSHIRE, EAST RIDING.   | 611                           | 28                                      | 469                                      | 114                                   | 2           | 1       | 5        | 8        | 6        | 3       | 1        | 2        | —        | —        | —        | —         |
|                           | 4·8                           | 0·8                                     | 8·9                                      | 2·7                                   | 0·7         | 0·4     | 1·8      | 2·9      | 2·2      | 1·1     | 0·4      | 0·7      | —        | —        | —        | —         |
| YORKSHIRE, NORTH RIDING.  |                               |   |  |                                       |             |         |          |          |          |         |          |          |          |          |          |           |
| Eston U.D. ...            | 131                           | 40                                      | 63                                       | 28                                    | 3           | 11      | 20       | 3        | —        | 1       | 1        | 1        | —        | —        | —        | —         |
|                           | 5·3                           | 6·2                                     | 6·1                                      | 3·4                                   | 5·5         | 20·3    | 36·9     | 5·5      | —        | 1·8     | 1·8      | 1·8      | —        | —        | —        | —         |
| Scarborough M.B. ...      | 107                           | 10                                      | 77                                       | 20                                    | —           | 3       | 4        | 1        | 1        | —       | —        | —        | —        | —        | —        | 1         |
|                           | 4·2                           | 1·5                                     | 7·3                                      | 2·4                                   | —           | 5·4     | 7·2      | 1·8      | 1·8      | —       | —        | —        | —        | —        | —        | 1·8       |
| Remainder of County ...   | 1,066                         | 70                                      | 750                                      | 246                                   | 8           | 12      | 17       | 17       | 5        | 5       | 1        | 1        | —        | 3        | 1        | —         |
|                           | 5·6                           | 1·4                                     | 9·6                                      | 4·0                                   | 1·9         | 2·9     | 4·1      | 4·1      | 1·2      | 1·2     | 0·2      | 0·2      | —        | 0·7      | 0·2      | —         |
| YORKSHIRE, WEST RIDING.   |                               |   |  |                                       |             |         |          |          |          |         |          |          |          |          |          |           |
| Batley M.B. ...           | 185                           | 21                                      | 91                                       | 73                                    | —           | 1       | 12       | 3        | 4        | —       | —        | 1        | —        | —        | —        | —         |
|                           | 6·5                           | 2·8                                     | 7·7                                      | 7·8                                   | —           | 1·6     | 19·3     | 4·8      | 6·4      | —       | —        | 1·6      | —        | —        | —        | —         |
| Brighouse M.B. ...        | 88                            | 22                                      | 39                                       | 27                                    | 1           | 10      | 7        | 3        | 1        | —       | —        | —        | —        | —        | —        | —         |
|                           | 5·2                           | 4·9                                     | 5·5                                      | 4·9                                   | 2·7         | 27·0    | 18·9     | 8·1      | 2·7      | —       | —        | —        | —        | —        | —        | —         |
| Castleford U.D. ...       | 102                           | 3                                       | 67                                       | 32                                    | —           | 2       | —        | —        | —        | —       | —        | —        | —        | —        | 1        | —         |
|                           | 5·0                           | 0·6                                     | 8·0                                      | 4·8                                   | —           | 4·5     | —        | —        | —        | —       | —        | —        | —        | —        | 2·3      | —         |
| Doncaster M.B. ...        | 266                           | 20                                      | 165                                      | 81                                    | 1           | 2       | 2        | 5        | 4        | 1       | 1        | 3        | 1        | —        | —        | —         |
|                           | 6·4                           | 1·8                                     | 9·5                                      | 5·9                                   | 1·1         | 2·2     | 2·2      | 5·5      | 4·4      | 1·1     | 1·1      | 3·3      | 1·1      | —        | —        | —         |
| Goole U.D. ...            | 75                            | 6                                       | 63                                       | 6                                     | —           | —       | 2        | 2        | 1        | —       | 1        | —        | —        | —        | —        | —         |
|                           | 5·2                           | 1·6                                     | 10·5                                     | 1·3                                   | —           | —       | 6·3      | 6·3      | 3·2      | —       | 3·2      | —        | —        | —        | —        | —         |
| Harrogate M.B. ...        | 110                           | 5                                       | 86                                       | 19                                    | —           | —       | 1        | 2        | 1        | —       | 1        | —        | —        | —        | —        | —         |
|                           | 3·7                           | 0·7                                     | 7·1                                      | 2·0                                   | —           | —       | 1·6      | 3·1      | 1·6      | —       | 1·6      | —        | —        | —        | —        | —         |
| Keighley M.B. ...         | 178                           | 12                                      | 135                                      | 31                                    | —           | 2       | 3        | 1        | 3        | 1       | 1        | —        | —        | —        | 1        | —         |
|                           | 5·3                           | 1·4                                     | 9·7                                      | 2·8                                   | —           | 2·7     | 4·1      | 1·4      | 4·1      | 1·4     | 1·4      | —        | —        | —        | 1·4      | —         |
| Morley M.B. ...           | 73                            | 7                                       | 46                                       | 20                                    | —           | 3       | 2        | —        | 1        | 1       | —        | —        | —        | —        | —        | —         |
|                           | 3·7                           | 1·4                                     | 5·7                                      | 3·1                                   | —           | 7·0     | 4·7      | —        | 2·3      | 2·3     | —        | —        | —        | —        | —        | —         |
| Shipley U.D. ...          | 128                           | 7                                       | 84                                       | 37                                    | —           | —       | 2        | 2        | 1        | 2       | —        | —        | —        | —        | —        | —         |
|                           | 5·6                           | 1·2                                     | 8·9                                      | 5·0                                   | —           | —       | 4·0      | 4·0      | 2·0      | 4·0     | —        | —        | —        | —        | —        | —         |
| Spenborough U.D. ...      | 130                           | 11                                      | 83                                       | 36                                    | —           | 2       | 4        | 3        | 2        | —       | —        | —        | —        | —        | —        | —         |
|                           | 5·0                           | 1·6                                     | 7·7                                      | 4·2                                   | —           | 3·5     | 7·1      | 5·3      | 3·5      | —       | —        | —        | —        | —        | —        | —         |
| Todmorden M.B. ...        | 96                            | 12                                      | 42                                       | 42                                    | —           | 3       | 6        | 2        | —        | —       | —        | —        | —        | 1        | —        | —         |
|                           | 5·2                           | 2·5                                     | 5·5                                      | 7·0                                   | —           | 7·5     | 14·9     | 5·0      | —        | —       | —        | —        | —        | 2·5      | —        | —         |
| Remainder of County ...   | 5,342                         | 406                                     | 3,499                                    | 1,437                                 | 19          | 69      | 94       | 94       | 59       | 37      | 14       | 7        | 1        | 1        | 7        | 4         |
|                           | 5·8                           | 1·7                                     | 9·2                                      | 4·8                                   | 1·0         | 3·5     | 4·7      | 4·7      | 3·0      | 1·9     | 0·7      | 0·4      | 0·1      | 0·1      | 0·4      | 0·2       |





TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued.*

| Administrative<br>Counties.         | Week ending |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
|-------------------------------------|-------------|-----------|---------|----------|----------|----------|---------|---------|----------|----------|----------|---------|----------|----------|----------|---------|----------|
|                                     | Sept. 21.   | Sept. 28. | Oct. 5. | Oct. 12. | Oct. 19. | Oct. 26. | Nov. 2. | Nov. 9. | Nov. 16. | Nov. 23. | Nov. 30. | Dec. 7. | Dec. 14. | Dec. 21. | Dec. 28. | Jan. 4. | Jan. 11. |
| BEDFORDSHIRE.                       |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Bedford M.B. ...                    | —           | —         | 1.      | 1        | 2        | 14       | 22      | 21      | 11       | 13       | 7        | 7       | 1        | 1        | 2        | —       | —        |
| Luton M.B. ...                      | —           | 1         | —       | —        | 2        | 5        | 34      | 28      | 19       | 19       | 9        | 5       | 3        | 1        | 1        | —       | —        |
| Remainder of County...              | —           | 1.0       | —       | —        | 1.9      | 4.8      | 32.6    | 26.9    | 18.2     | 18.2     | 8.6      | 4.8     | 2.9      | 1.0      | 1.0      | —       | —        |
|                                     | —           | —         | —       | 4        | 10       | 15       | 37      | 47      | 58       | 43       | 26       | 21      | 18       | 5        | 5        | 5       | 1        |
|                                     | —           | —         | —       | 2.2      | 5.4      | 8.1      | 20.0    | 25.4    | 31.3     | 23.2     | 14.0     | 11.3    | 9.7      | 2.7      | 2.7      | 2.7     | 0.5      |
| BERKSHIRE ...                       | 1           | —         | —       | 1        | 10       | 45       | 73      | 105     | 67       | 57       | 53       | 30      | 24       | 14       | 4        | 3       | 4        |
|                                     | 0.3         | —         | —       | 0.3      | 3.0      | 13.6     | 22.1    | 31.8    | 20.3     | 17.3     | 16.1     | 9.1     | 7.3      | 4.2      | 1.2      | 0.9     | 1.2      |
| BUCKINGHAMSHIRE.                    |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Chepping Wycombe M.B.               | —           | —         | —       | —        | —        | 2        | 2       | 12      | 13       | 19       | 5        | 5       | 1        | —        | 3        | 2       | 1        |
| Remainder of County...              | 1           | —         | 6       | 4        | 37       | 67       | 101     | 93      | 81       | 72       | 78       | 43      | 23       | 14       | 13       | 4       | 11       |
|                                     | 0.3         | —         | 1.7     | 1.1      | 10.3     | 18.6     | 28.0    | 25.8    | 22.5     | 20.0     | 21.6     | 11.9    | 6.4      | 3.9      | 3.6      | 1.1     | 3.1      |
| CAMBRIDGESHIRE.                     |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Cambridge M.B.                      | —           | —         | 1       | —        | 4        | 17       | 40      | 35      | 9        | 9        | 4        | 2       | —        | 1        | —        | —       | 1        |
| Remainder of County...              | 1           | —         | —       | 1        | —        | 3        | 38      | 44      | 40       | 20       | 17       | 10      | 4        | 4        | 3        | 1       | 2        |
|                                     | 0.8         | —         | —       | 0.8      | —        | 2.5      | 31.2    | 36.2    | 32.9     | 16.4     | 14.0     | 8.2     | 3.3      | 3.3      | 2.5      | 0.8     | 1.6      |
| CHESHIRE.                           |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Crewe M.B. ...                      | —           | —         | —       | 3        | 1        | 10       | 38      | 29      | 13       | 6        | 6        | 3       | 7        | 2        | 2        | —       | —        |
| Hyde M.B. ...                       | —           | —         | —       | —        | —        | —        | —       | 1       | 7        | 10       | 23       | 21      | 19       | 12       | 6        | 2       | 1        |
| Macclesfield M.B.                   | —           | —         | 1       | —        | —        | —        | —       | 3       | 15       | 26       | 17       | 11      | 2        | —        | —        | 1       | —        |
| Stalybridge M.B.                    | —           | —         | —       | —        | 1        | 2        | 1       | 5       | 9        | 8        | 11       | 8       | 5        | 3        | 2        | 1       | —        |
| Remainder of County...              | —           | —         | 3       | 15       | 31       | 55       | 98      | 164     | 165      | 151      | 170      | 144     | 77       | 41       | 24       | 17      | 9        |
|                                     | —           | —         | 0.4     | 1.8      | 3.8      | 6.8      | 12.1    | 20.2    | 20.3     | 18.6     | 21.0     | 17.8    | 9.5      | 5.1      | 3.0      | 2.1     | 1.1      |
| CORNWALL ...                        | 2           | 2         | 9       | 19       | 19       | 50       | 81      | 82      | 83       | 81       | 49       | 41      | 9        | 4        | 4        | 3       | 3        |
|                                     | 0.4         | 0.4       | 1.7     | 3.5      | 3.5      | 9.2      | 14.9    | 15.1    | 15.3     | 14.9     | 9.0      | 7.6     | 1.7      | 0.7      | 0.7      | 0.6     | 0.6      |
| CUMBERLAND.                         |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Workington M.B.                     | —           | —         | 1       | 1        | —        | 2        | 5       | 3       | 4        | 10       | 8        | 10      | 1        | 1        | 1        | 1       | 1        |
| Remainder of County...              | —           | —         | 2.1     | 2.1      | —        | 4.2      | 10.5    | 6.3     | 8.4      | 21.0     | 16.8     | 21.0    | 2.1      | 2.1      | 2.1      | 2.1     | 2.1      |
|                                     | —           | —         | —       | 1        | 2        | 1        | 11      | 39      | 63       | 102      | 162      | 93      | 34       | 15       | 5        | 8       | 2        |
|                                     | —           | —         | —       | 0.3      | 0.6      | 0.3      | 3.3     | 11.7    | 19.0     | 30.7     | 48.8     | 28.0    | 10.2     | 4.5      | 1.5      | 2.4     | 0.6      |
| DERBYSHIRE.                         |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Chesterfield M.B.                   | —           | —         | —       | —        | —        | 3        | 16      | 20      | 48       | 36       | 28       | 16      | 5        | 2        | 1        | 1       | —        |
| Glossop M.B. ...                    | —           | —         | —       | —        | —        | —        | —       | 1       | 2        | 4        | 5        | 3       | 4        | —        | 2        | 1       | 2        |
| Ilkeston M.B. ...                   | —           | —         | —       | —        | —        | —        | —       | 2.8     | 5.6      | 11.3     | 14.1     | 8.5     | 11.3     | —        | 5.6      | 2.8     | 5.6      |
| Remainder of County...              | 1           | 1         | 2       | 1.8      | 1.8      | 16.1     | 30.4    | 48.2    | 32.1     | 32.1     | 19.6     | 21.4    | 8.9      | 8.9      | —        | 3.6     | 1.8      |
|                                     | 0.1         | 0.1       | 0.2     | —        | 1.7      | 3.9      | 10.0    | 19.8    | 22.6     | 26.1     | 29.1     | 22.1    | 11.9     | 5.5      | 2.4      | 1.8     | 1.3      |
| DEVONSHIRE.                         |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Torquay M.B. ...                    | —           | —         | 2       | —        | 3        | 4        | 11      | 19      | 13       | 9        | 3        | 3       | 2        | 1        | 4        | —       | 1        |
| Remainder of County...              | 2           | 5         | 6       | 31       | 62       | 126      | 166     | 124     | 62       | 40       | 33       | 18      | 13       | 6        | 5        | 4       | 6        |
|                                     | 0.3         | 0.8       | 0.9     | 4.7      | 9.5      | 19.2     | 25.4    | 18.9    | 9.5      | 6.1      | 5.0      | 2.7     | 2.0      | 0.9      | 0.8      | 0.6     | 0.9      |
| DORSETSHIRE.                        |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Poole M.B. ...                      | —           | —         | 1       | —        | 6        | 16       | 27      | 18      | 9        | 3        | 1        | 3       | 1        | 5        | —        | —       | —        |
| Weymouth and<br>Melcombe Regis M.B. | —           | —         | 1.3     | —        | 8.0      | 21.3     | 36.0    | 24.0    | 12.0     | 4.0      | 1.3      | 4.0     | 1.3      | 6.7      | —        | —       | —        |
| Remainder of County...              | 2           | 1         | 1       | 4        | 6        | 17       | 57      | 63      | 34       | 19       | 25       | 14      | 13       | 6        | 4        | 2       | 8        |
|                                     | 0.8         | 0.4       | 0.4     | 1.5      | 2.3      | 6.5      | 21.9    | 24.2    | 13.1     | 7.3      | 9.6      | 5.4     | 5.0      | 2.3      | 1.5      | 0.8     | 3.1      |
| DURHAM.                             |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Blaydon U.D. ...                    | —           | —         | —       | —        | —        | 1        | 3       | 6       | 4        | 12       | 20       | 15      | 8        | 2        | 2        | 2       | 1        |
| Felling U.D. ...                    | —           | —         | —       | —        | —        | 1.7      | 5.2     | 10.3    | 6.9      | 20.6     | 34.4     | 25.8    | 13.7     | 3.4      | 3.4      | 3.4     | 1.7      |
| Hartlepool M.B.                     | —           | —         | —       | —        | —        | 3        | 8       | 17      | 17       | 11       | 9        | 4       | 4        | 3        | 1        | —       | —        |
| Hebburn U.D. ...                    | —           | —         | —       | —        | —        | 6.4      | 17.1    | 36.4    | 36.4     | 23.6     | 19.3     | 8.6     | 8.6      | 6.4      | 2.1      | —       | —        |
| Jarrow M.B. ...                     | —           | —         | —       | —        | —        | —        | —       | 7       | 9        | 21       | 17       | 11      | 5        | 1        | —        | 1       | —        |
| Stanley U.D. ...                    | —           | —         | —       | —        | —        | —        | —       | 20.0    | 25.7     | 60.0     | 48.6     | 31.4    | 14.3     | 2.9      | —        | 2.9     | —        |
| Stockton-on-Tees M.B.               | —           | —         | —       | —        | 1        | 3        | 9       | 34      | 28       | 14       | 25       | 12      | 2        | 2        | 3        | —       | —        |
| Remainder of County...              | —           | —         | —       | —        | 2.4      | 7.2      | 21.6    | 81.5    | 67.1     | 33.6     | 60.0     | 28.8    | 4.8      | 4.8      | 7.2      | —       | —        |
|                                     | —           | —         | —       | —        | 1        | 6        | 24      | 45      | 36       | 22       | 17       | 8       | 7        | 2        | 2        | —       | 2        |
|                                     | —           | —         | —       | —        | 1.5      | 9.2      | 36.7    | 68.8    | 55.0     | 33.6     | 26.0     | 12.2    | 10.7     | 3.1      | 3.1      | —       | 3.1      |
|                                     | —           | —         | —       | —        | —        | 1        | 10      | 14      | 12       | 9        | 4        | 5       | 5        | 1        | 1        | 1       | —        |
|                                     | —           | —         | —       | —        | —        | 2.4      | 23.9    | 33.5    | 28.7     | 21.5     | 9.6      | 12.0    | 12.0     | 2.4      | 2.4      | 2.4     | —        |
|                                     | —           | —         | —       | —        | 2        | 1        | 5       | 12      | 36       | 38       | 48       | 29      | 8        | 7        | 3        | 3       | 2        |
|                                     | —           | —         | —       | —        | 1.8      | 0.9      | 4.6     | 11.0    | 32.9     | 34.7     | 43.9     | 26.5    | 7.3      | 6.4      | 2.7      | 2.7     | 1.8      |
|                                     | —           | —         | —       | —        | 15       | 28       | 58      | 90      | 172      | 395      | 441      | 353     | 167      | 77       | 32       | 25      | 19       |
|                                     | 0.3         | 0.2       | 0.1     | 0.4      | 1.3      | 2.3      | 4.9     | 7.5     | 14.4     | 33.1     | 36.9     | 29.5    | 14.0     | 6.4      | 2.7      | 2.1     | 1.6      |



TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued*.

| Administrative Counties.       | Week ending |           |          |            |            |             |             |             |             |             |             |             |            |           |           |           |           |
|--------------------------------|-------------|-----------|----------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|-----------|-----------|-----------|-----------|
|                                | Sept. 21.   | Sept. 28. | Oct. 5.  | Oct. 12.   | Oct. 19.   | Oct. 26.    | Nov. 2.     | Nov. 9.     | Nov. 16.    | Nov. 23.    | Nov. 30.    | Dec. 7.     | Dec. 14.   | Dec. 21.  | Dec. 28.  | Jan. 4.   | Jan. 11.  |
| ELY, ISLE OF ...               | —           | —         | —        | —          | —          | 4<br>3·3    | 23<br>18·8  | 46<br>37·6  | 50<br>40·9  | 23<br>18·8  | 22<br>18·0  | 10<br>8·2   | 13<br>10·6 | 5<br>4·1  | 2<br>1·6  | 1<br>0·8  | 1<br>0·8  |
| ESSEX.                         |             |           |          |            |            |             |             |             |             |             |             |             |            |           |           |           |           |
| Barking Town U.D. ...          | —           | —         | —        | 1<br>1·7   | 1<br>1·7   | 16<br>26·4  | 60<br>99·0  | 42<br>69·3  | 22<br>36·3  | 11<br>18·2  | 4<br>6·6    | 2<br>3·3    | 1<br>1·7   | 1<br>1·7  | 3<br>5·0  | 1<br>1·7  | —         |
| Colchester M.B. ...            | —           | —         | —        | 2<br>2·8   | 2<br>2·8   | 5<br>6·9    | 17<br>23·4  | 21<br>28·9  | 13<br>17·9  | 12<br>16·5  | 6<br>8·3    | 4<br>5·5    | 3<br>4·1   | 3<br>4·1  | 5<br>6·9  | 3<br>4·1  | 1<br>1·4  |
| Ilford U.D. ...                | —           | 1<br>0·7  | 3<br>2·1 | 12<br>1·4  | 12<br>8·6  | 33<br>23·6  | 60<br>42·9  | 47<br>33·6  | 25<br>17·9  | 18<br>12·9  | 23<br>16·5  | 5<br>3·6    | 2<br>1·4   | 5<br>3·6  | 1<br>0·7  | —         | —         |
| Leyton U.D. ...                | —           | —         | 1<br>0·5 | 4<br>1·9   | 30<br>14·5 | 68<br>32·8  | 85<br>41·0  | 68<br>32·8  | 26<br>12·5  | 19<br>9·2   | 12<br>5·8   | 9<br>4·3    | 5<br>2·4   | 8<br>3·9  | 3<br>1·4  | —         | 2<br>1·0  |
| Walthamstow U.D. ...           | —           | 3<br>1·4  | 4<br>1·8 | 12<br>5·5  | 56<br>25·6 | 96<br>43·9  | 83<br>38·0  | 41<br>18·8  | 23<br>10·5  | 26<br>11·9  | 19<br>8·7   | 16<br>7·3   | 2<br>0·9   | 6<br>2·7  | —         | 2<br>0·9  | —         |
| Remainder of County ...        | 1<br>0·1    | 3<br>0·4  | 2<br>0·3 | 7<br>0·9   | 28<br>3·6  | 107<br>13·6 | 220<br>27·9 | 219<br>27·8 | 155<br>19·7 | 126<br>16·0 | 102<br>12·9 | 65<br>8·2   | 56<br>7·1  | 34<br>4·3 | 19<br>2·4 | 12<br>1·5 | 8<br>1·0  |
| GLOUCESTERSHIRE.               |             |           |          |            |            |             |             |             |             |             |             |             |            |           |           |           |           |
| Cheltenham M.B. ...            | —           | 3<br>3·7  | 5<br>6·1 | 19<br>23·3 | 48<br>58·8 | 45<br>55·1  | 14<br>17·1  | 11<br>13·5  | 5<br>6·1    | 2<br>2·4    | 3<br>3·7    | 3<br>3·7    | 3<br>3·7   | —         | —         | —         | —         |
| Remainder of County ...        | —           | 1<br>0·2  | 7<br>1·5 | 18<br>3·7  | 64<br>13·3 | 110<br>22·9 | 102<br>21·2 | 87<br>18·1  | 60<br>12·5  | 47<br>9·8   | 49<br>10·2  | 52<br>10·8  | 24<br>5·0  | 18<br>3·7 | 13<br>2·7 | 9<br>1·9  | 9<br>1·9  |
| HEREFORDSHIRE.                 |             |           |          |            |            |             |             |             |             |             |             |             |            |           |           |           |           |
| Hereford M.B. ...              | —           | —         | —        | —          | —          | —           | —           | 4<br>8·6    | 7<br>15·1   | 10<br>21·6  | 8<br>17·2   | 4<br>8·6    | 4<br>8·6   | —         | 2<br>4·3  | 2<br>4·3  | —         |
| Remainder of County ...        | —           | —         | —        | —          | 4<br>2·6   | 6<br>4·0    | 20<br>13·2  | 21<br>13·9  | 22<br>14·5  | 34<br>22·5  | 38<br>25·1  | 21<br>13·9  | 18<br>11·9 | 8<br>5·3  | 12<br>7·9 | 4<br>2·6  | 7<br>4·6  |
| HERTFORDSHIRE.                 |             |           |          |            |            |             |             |             |             |             |             |             |            |           |           |           |           |
| St. Albans M.B. ...            | —           | —         | —        | —          | —          | 9<br>20·1   | 11<br>24·6  | 22<br>49·2  | 11<br>24·6  | 8<br>17·9   | 5<br>11·2   | 2<br>4·5    | 3<br>6·7   | 2<br>4·5  | —         | —         | 1<br>2·2  |
| Watford U.D. ...               | —           | —         | 2<br>2·3 | 4<br>4·6   | 4<br>4·6   | 17<br>19·7  | 35<br>40·5  | 23<br>26·6  | 8<br>9·3    | 8<br>9·3    | 8<br>9·3    | 6<br>6·9    | 1<br>1·2   | 3<br>3·5  | —         | —         | —         |
| Remainder of County ...        | 1<br>0·2    | —         | 1<br>0·2 | 11<br>2·5  | 41<br>9·3  | 58<br>13·1  | 100<br>22·9 | 72<br>16·3  | 76<br>17·2  | 61<br>13·8  | 56<br>12·7  | 32<br>7·2   | 41<br>9·3  | 7<br>1·6  | 15<br>3·4 | 8<br>1·8  | 3<br>0·7  |
| HUNTINGDONSHIRE                | —           | 1<br>1·0  | 2<br>2·1 | —          | —          | 1<br>1·0    | 13<br>13·4  | 22<br>22·6  | 22<br>22·6  | 36<br>37·0  | 32<br>32·9  | 21<br>21·6  | 5<br>5·1   | 6<br>6·2  | —         | 3<br>3·1  | —         |
| KENT.                          |             |           |          |            |            |             |             |             |             |             |             |             |            |           |           |           |           |
| Beckenham U.D. ...             | —           | —         | —        | 1<br>1·8   | 1<br>1·8   | 7<br>12·4   | 15<br>26·6  | 14<br>24·8  | 6<br>10·6   | 8<br>14·2   | 4<br>7·1    | 2<br>3·5    | 1<br>1·8   | —         | 1<br>1·8  | —         | —         |
| Bromley M.B. ...               | —           | —         | —        | 1<br>1·7   | 2<br>3·3   | 9<br>11·6   | 16<br>26·4  | 9<br>14·9   | 5<br>8·3    | 5<br>8·3    | 3<br>5·0    | 3<br>5·0    | 1<br>1·7   | 1<br>1·7  | —         | —         | 1<br>1·7  |
| Chatham M.B. ...               | —           | —         | —        | 1<br>1·4   | 6<br>8·3   | 17<br>23·5  | 58<br>80·3  | 48<br>66·5  | 26<br>36·0  | 16<br>22·2  | 15<br>20·8  | 3<br>4·2    | 2<br>2·8   | 1<br>1·4  | —         | 3<br>4·2  | 2<br>2·8  |
| Dartford U.D. ...              | —           | —         | —        | —          | —          | 14<br>33·3  | 39<br>92·6  | 32<br>76·0  | 9<br>21·4   | 5<br>11·9   | 4<br>9·5    | 1<br>2·4    | 3<br>7·1   | —         | —         | 1<br>2·4  | —         |
| Dover M.B. ...                 | —           | —         | 1<br>1·5 | 1<br>1·5   | 1<br>1·5   | 12<br>18·1  | 18<br>27·1  | 9<br>13·6   | 4<br>13·6   | 5<br>18·1   | 4<br>7·5    | 3<br>6·0    | 3<br>6·0   | 3<br>4·5  | 3<br>4·5  | 1<br>1·5  | —         |
| Erith U.D. ...                 | —           | —         | 1<br>1·6 | 1<br>6·4   | 7<br>11·1  | 15<br>23·9  | 15<br>23·9  | 7<br>11·1   | 5<br>8·0    | 2<br>3·2    | 7<br>11·1   | —           | 2<br>3·2   | 1<br>1·6  | —         | —         | —         |
| Folkestone M.B. ...            | —           | —         | —        | 1<br>1·8   | —          | 7<br>1·8    | 10<br>12·7  | 9<br>18·2   | 9<br>16·4   | 12<br>21·8  | 7<br>12·7   | 4<br>7·3    | 3<br>5·5   | 1<br>1·8  | 2<br>3·6  | 2<br>3·6  | 1<br>1·8  |
| Gillingham M.B. ...            | 1<br>1·2    | —         | —        | —          | 2<br>2·4   | 15<br>18·1  | 25<br>30·2  | 22<br>26·6  | 14<br>16·9  | 10<br>12·1  | 4<br>4·8    | 2<br>4·8    | 2<br>2·4   | 2<br>2·4  | —         | 1<br>1·2  | —         |
| Gravesend M.B. ...             | —           | —         | —        | —          | 3<br>5·6   | 4<br>7·5    | 15<br>28·5  | 8<br>26·3   | 8<br>15·0   | 2<br>16·9   | 2<br>3·8    | 7<br>15·0   | 3<br>13·1  | 3<br>5·6  | 1<br>1·9  | —         | 1<br>1·9  |
| Maidstone M.B. ...             | —           | —         | —        | —          | 1<br>1·7   | —           | 9<br>15·3   | 22<br>40·9  | 22<br>37·5  | 23<br>39·2  | 12<br>20·4  | 14<br>23·9  | 6<br>10·2  | 5<br>8·5  | —         | —         | 3<br>5·1  |
| Margate M.B. ...               | 1<br>3·0    | 3<br>9·1  | —        | 2<br>6·1   | 1<br>3·0   | 4<br>12·2   | 16<br>48·6  | 18<br>54·7  | 12<br>36·5  | 2<br>6·1    | 2<br>6·1    | 3<br>9·1    | —          | —         | —         | —         | —         |
| Penge U.D. ...                 | —           | —         | —        | 1<br>2·3   | 4<br>9·2   | 11<br>25·3  | 5<br>11·5   | 5<br>34·6   | 5<br>11·5   | 7<br>16·1   | 4<br>9·2    | 1<br>2·3    | 1<br>2·3   | 1<br>2·3  | —         | —         | —         |
| Ramsgate M.B. ...              | —           | —         | 1<br>2·7 | —          | —          | 1<br>2·7    | 4<br>10·7   | 9<br>26·7   | 9<br>24·1   | 4<br>10·7   | 8<br>21·4   | 6<br>16·0   | 3<br>8·0   | 1<br>2·7  | 1<br>2·7  | —         | —         |
| Rochester M.B. ...             | —           | —         | —        | —          | 2<br>3·7   | 11<br>20·3  | 5<br>51·6   | 5<br>40·5   | 5<br>29·5   | 13<br>23·9  | 6<br>11·0   | 5<br>9·2    | 1<br>1·8   | 1<br>1·8  | 1<br>1·8  | 2<br>3·7  | —         |
| Royal Tunbridge Wells M.B. ... | —           | —         | —        | —          | 9<br>14·5  | 21<br>33·9  | 32<br>51·7  | 6<br>14·5   | 6<br>9·7    | 9<br>14·5   | 6<br>9·7    | 2<br>3·2    | 2<br>3·2   | 1<br>1·6  | —         | —         | 1<br>1·6  |
| Remainder of County ...        | 1<br>0·1    | 3<br>0·3  | 2<br>0·2 | 5<br>0·5   | 35<br>3·8  | 92<br>10·1  | 247<br>27·1 | 281<br>30·9 | 188<br>20·7 | 182<br>20·0 | 132<br>14·5 | 101<br>11·1 | 48<br>5·3  | 24<br>2·6 | 10<br>1·1 | 7<br>0·8  | 10<br>1·1 |
| LANCASHIRE.                    |             |           |          |            |            |             |             |             |             |             |             |             |            |           |           |           |           |
| Accrington M.B. ...            | 1<br>1·3    | —         | —        | —          | —          | —           | 1<br>1·3    | 3<br>3·9    | 5<br>6·5    | 6<br>7·8    | 6<br>7·8    | 4<br>5·2    | 3<br>3·9   | 3<br>3·9  | 1<br>1·3  | —         | —         |
| Ashton-in-Makerfield U.D. ...  | —           | —         | —        | 1<br>2·6   | —          | 3<br>7·7    | 10<br>25·5  | 14<br>35·7  | 8<br>20·4   | 9<br>23·0   | 7<br>17·9   | 6<br>15·3   | 5<br>12·8  | 2<br>5·1  | 2<br>5·1  | —         | —         |
| Ashton-under-Lyne M.B. ...     | —           | 1<br>1·3  | —        | 1<br>1·3   | —          | —           | 5<br>6·6    | 4<br>5·3    | 9<br>11·8   | 10<br>13·1  | 17<br>22·3  | 20<br>26·3  | 12<br>15·8 | 2<br>2·6  | 3<br>3·9  | 1<br>1·3  | 1<br>1·3  |
| Bacup M.B. ...                 | 1<br>2·8    | 1<br>2·8  | —        | —          | —          | —           | —           | —           | 2<br>5·6    | 1<br>2·8    | —           | 2<br>5·6    | 1<br>2·8   | —         | 1<br>2·8  | 3<br>8·3  | —         |

TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued*.

| Administrative Counties.          |     | Week ending |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
|-----------------------------------|-----|-------------|-----------|---------|----------|----------|----------|---------|---------|----------|----------|----------|---------|----------|----------|----------|---------|----------|
|                                   |     | Sept. 21.   | Sept. 28. | Oct. 5. | Oct. 12. | Oct. 19. | Oct. 26. | Nov. 2. | Nov. 9. | Nov. 16. | Nov. 23. | Nov. 30. | Dec. 7. | Dec. 14. | Dec. 21. | Dec. 28. | Jan. 4. | Jan. 11. |
| LANCASHIRE—cont.                  |     |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Chadderton U.D.                   | ... | —           | —         | —       | 2        | 1        | 3        | 19      | 19      | 16       | 19       | 9        | 7       | 1        | 1        | 4        | —       | —        |
| Chorley M.B.                      | ... | —           | —         | 1       | 4·2      | 2·1      | 6·2      | 39·5    | 39·5    | 33·3     | 39·5     | 18·7     | 14·6    | 2·1      | 2·1      | 8·3      | —       | —        |
| Colne M.B.                        | ... | —           | —         | —       | 6        | 20       | 17       | 17      | 11      | 6        | 9        | 5        | 5       | 1        | 1        | —        | —       | 1        |
| Colne M.B.                        | ... | —           | —         | —       | 10·2     | 34·0     | 28·9     | 28·9    | 18·7    | 10·2     | 15·3     | 8·5      | 8·5     | 1·7      | 1·7      | —        | —       | 1·7      |
| Darwen M.B.                       | ... | 1           | —         | —       | —        | —        | —        | —       | 7·3     | 14·7     | 14·7     | 48·9     | 56·2    | 19·6     | —        | —        | 2·4     | —        |
| Darwen M.B.                       | ... | 1·6         | —         | —       | —        | —        | 2        | 4       | 4       | 9        | 29       | 62       | 33      | 6        | 2        | —        | 1       | 2        |
| Eccles M.B.                       | ... | —           | —         | —       | —        | —        | 3·2      | 6·3     | 6·3     | 14·3     | 46·0     | 98·4     | 52·4    | 9·5      | 3·2      | —        | 1·6     | 3·2      |
| Eccles M.B.                       | ... | —           | —         | —       | —        | —        | 2        | 3       | 11      | 11       | 19       | 14       | 3       | 5        | 8        | 7        | 6       | —        |
| Farnworth U.D.                    | ... | —           | —         | —       | —        | —        | 2·6      | 3·9     | 14·5    | 14·5     | 25·0     | 18·4     | 3·9     | 6·6      | 10·5     | 9·2      | 7·9     | —        |
| Farnworth U.D.                    | ... | —           | —         | —       | 3        | 2        | 6        | 2       | 6       | 1        | 1        | 3        | 3       | 1        | 1        | —        | —       | —        |
| Heywood M.B.                      | ... | —           | —         | —       | 6·5      | 4·4      | 13·1     | 4·4     | 13·1    | 2·2      | 2·2      | 6·5      | 6·5     | 2·2      | 2·2      | —        | —       | —        |
| Heywood M.B.                      | ... | —           | —         | —       | —        | —        | —        | 1       | 4       | 12       | 25       | 10       | 10      | 2        | 2        | 1        | —       | —        |
| Hindley U.D.                      | ... | —           | —         | —       | —        | —        | —        | 2·4     | 9·5     | 28·5     | 59·4     | 23·8     | 23·8    | 4·8      | 4·8      | 2·4      | —       | —        |
| Hindley U.D.                      | ... | —           | —         | —       | 2        | 4        | 12       | 6       | —       | 2        | —        | 2        | 3       | —        | 1        | —        | —       | —        |
| Ince-in-Makerfield U.D.           | ... | —           | 1         | 1       | 4·7      | 9·5      | 28·4     | 14·2    | —       | 4·7      | —        | 4·7      | 7·1     | —        | 2·4      | —        | —       | —        |
| Ince-in-Makerfield U.D.           | ... | —           | 2·5       | 2·5     | 2        | 5        | 6        | 3       | 3       | 1        | 2        | 2        | 1       | 2        | —        | —        | —       | —        |
| Lancaster M.B.                    | ... | 1           | 1         | —       | 1        | 7        | 19       | 22      | 19      | 12       | 3        | 2        | 2       | 1        | 1        | —        | —       | —        |
| Lancaster M.B.                    | ... | 1·3         | 1·3       | —       | 1·3      | 9·2      | 25·0     | 28·9    | 25·0    | 15·8     | 3·9      | 2·6      | 2·6     | 1·3      | 1·3      | —        | —       | —        |
| Leigh M.B.                        | ... | 1           | —         | —       | 2        | 17       | 26       | 8       | 16      | 4        | 3        | —        | 4       | 5        | 1        | 4        | 1       | 1        |
| Leigh M.B.                        | ... | 1·3         | —         | —       | 2·5      | 21·5     | 32·8     | 10·1    | 20·2    | 5·1      | 3·8      | —        | 5·1     | 6·3      | 1·3      | 5·1      | 1·3     | 1·3      |
| Middleton M.B.                    | ... | —           | —         | —       | —        | 3        | 1        | 3       | 5       | 8        | 4        | 10       | 6       | 1        | 3        | 1        | —       | —        |
| Middleton M.B.                    | ... | —           | —         | —       | 6·1      | 2·0      | 6·1      | 10·2    | 16·4    | 8·2      | 20·5     | 12·3     | 2·0     | 6·1      | 2·0      | —        | —       | —        |
| Nelson M.B.                       | ... | —           | —         | —       | 2        | —        | 3        | 1       | 4       | 8        | 4        | 12       | 5       | 1        | 2        | 1        | —       | —        |
| Nelson M.B.                       | ... | —           | —         | —       | 3·0      | —        | 4·6      | 1·5     | 6·1     | 12·2     | 6·1      | 18·3     | 7·6     | 1·5      | 3·0      | 1·5      | —       | —        |
| Radcliffe U.D.                    | ... | —           | —         | —       | —        | —        | 1        | 3       | 2       | 2        | 2        | 3        | 1       | 1        | 2        | 1        | —       | —        |
| Radcliffe U.D.                    | ... | —           | —         | —       | —        | —        | 2·4      | 7·2     | 4·8     | 4·8      | 4·8      | 7·2      | 2·4     | 2·4      | 4·8      | 2·4      | —       | —        |
| Rawtenstall M.B.                  | ... | —           | —         | —       | —        | —        | —        | 1       | 1       | 1        | 3        | 4        | 8       | 3        | 2        | 2        | —       | —        |
| Rawtenstall M.B.                  | ... | —           | —         | —       | —        | —        | 2·1      | 2·1     | 2·1     | 6·2      | 8·3      | 16·5     | 6·2     | 4·1      | 4·1      | —        | —       | —        |
| Stretford U.D.                    | ... | —           | —         | —       | 1        | —        | 3        | 4       | 7       | 13       | 14       | 27       | 3       | 6        | 1        | —        | 1       | 1        |
| Stretford U.D.                    | ... | —           | —         | —       | 1·3      | —        | 3·9      | 5·1     | 9·0     | 16·7     | 18·0     | 34·7     | 3·9     | 7·7      | 1·3      | —        | 1·3     | 1·3      |
| Swinton and Pendlebury U.D.       | ... | —           | —         | —       | 1        | —        | 1        | 5       | 5       | 10       | 7        | 16       | 13      | 16       | 3        | 1        | —       | —        |
| Swinton and Pendlebury U.D.       | ... | —           | —         | —       | 1·9      | —        | 1·9      | 9·5     | 9·5     | 18·9     | 13·3     | 30·3     | 24·6    | 30·3     | 5·7      | 1·9      | —       | —        |
| Waterloo with Seaforth U.D.       | ... | —           | —         | —       | 2        | 2        | 13       | 12      | 4       | 5        | 2        | 4        | 3       | —        | —        | —        | —       | —        |
| Waterloo with Seaforth U.D.       | ... | —           | —         | —       | 4·1      | 4·1      | 26·9     | 24·8    | 8·3     | 10·3     | 4·1      | 8·3      | 6·2     | —        | —        | —        | —       | —        |
| Widnes M.B.                       | ... | —           | —         | —       | —        | 3        | 2        | 3       | 14      | 19       | 8        | 7        | 8       | 8        | 4        | —        | —       | 1        |
| Widnes M.B.                       | ... | —           | —         | —       | 4·9      | 3·3      | 4·9      | 23·1    | 31·3    | 13·2     | 11·5     | 13·2     | 13·2    | 6·6      | —        | —        | —       | 1·6      |
| Remainder of County               | ... | 6           | 13        | 23      | 44       | 74       | 141      | 246     | 268     | 269      | 304      | 311      | 193     | 109      | 71       | 32       | 24      | 19       |
| Remainder of County               | ... | 0·4         | 0·8       | 1·4     | 2·6      | 4·4      | 8·5      | 14·8    | 16·1    | 16·2     | 18·3     | 18·7     | 11·6    | 6·5      | 4·3      | 1·9      | 1·4     | 1·1      |
| LEICESTERSHIRE.                   |     |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Loughborough M.B.                 | ... | —           | —         | 1       | 3        | 10       | 21       | 25      | 18      | 3        | 4        | 4        | 2       | —        | —        | —        | 3       | —        |
| Loughborough M.B.                 | ... | —           | —         | 2·4     | 7·1      | 23·6     | 49·6     | 59·1    | 42·6    | 7·1      | 9·5      | 9·5      | 4·7     | —        | —        | —        | 7·1     | —        |
| Remainder of County               | ... | —           | 1         | 2       | 4        | 25       | 58       | 138     | 132     | 93       | 76       | 88       | 60      | 24       | 16       | 6        | 6       | 5        |
| Remainder of County               | ... | —           | 0·3       | 0·5     | 1·0      | 6·3      | 14·7     | 35·0    | 33·4    | 23·6     | 19·3     | 22·3     | 15·2    | 6·1      | 4·1      | 1·5      | 1·5     | 1·3      |
| LINCOLNSHIRE (Parts of Holland).  |     |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Lincolnshire (Parts of Holland)   | ... | —           | —         | —       | —        | 1        | 1        | 3       | 7       | 22       | 28       | 52       | 59      | 19       | 13       | 3        | 2       | —        |
| Lincolnshire (Parts of Holland)   | ... | —           | —         | —       | —        | 0·7      | 0·7      | 2·0     | 4·7     | 14·9     | 19·0     | 35·3     | 40·0    | 12·9     | 8·8      | 2·0      | 1·4     | —        |
| LINCOLNSHIRE (Parts of Kesteven). |     |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Grantham M.B.                     | ... | —           | —         | —       | —        | —        | —        | 7       | 13      | 24       | 12       | 19       | 4       | 3        | 2        | —        | —       | —        |
| Grantham M.B.                     | ... | —           | —         | —       | —        | —        | —        | 17·9    | 33·2    | 61·2     | 30·6     | 48·5     | 10·2    | 7·7      | 5·1      | —        | —       | —        |
| Remainder of County               | ... | —           | —         | —       | 1        | —        | 5        | 13      | 15      | 23       | 52       | 67       | 57      | 30       | 14       | 7        | 4       | 3        |
| Remainder of County               | ... | —           | —         | —       | 0·6      | —        | 3·1      | 7·9     | 9·2     | 14·0     | 31·7     | 40·9     | 34·8    | 18·3     | 8·5      | 4·3      | 2·4     | 1·8      |
| LINCOLNSHIRE (Parts of Lindsey).  |     |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Cleethorpe with Thruscoe U.D.     | ... | —           | —         | —       | —        | —        | —        | 2       | 3       | 6        | 4        | 10       | 18      | 7        | 1        | —        | 1       | —        |
| Cleethorpe with Thruscoe U.D.     | ... | —           | —         | —       | —        | —        | —        | 4·4     | 6·6     | 13·2     | 8·8      | 22·1     | 39·7    | 15·5     | 2·2      | —        | 2·2     | —        |
| Gainsborough U.D.                 | ... | —           | —         | —       | —        | —        | —        | 11      | 16      | 24       | 21       | 21       | 12      | 3        | 1        | —        | —       | —        |
| Gainsborough U.D.                 | ... | —           | —         | —       | —        | —        | —        | 29·4    | 42·8    | 64·2     | 56·1     | 56·1     | 32·1    | 8·0      | 2·7      | —        | —       | —        |
| Remainder of County               | ... | —           | 1         | 1       | 1        | 2        | 7        | 19      | 44      | 74       | 99       | 140      | 118     | 62       | 40       | 12       | 12      | 7        |
| Remainder of County               | ... | —           | 0·3       | 0·3     | 0·3      | 0·6      | 2·0      | 5·4     | 12·5    | 21·0     | 28·1     | 39·7     | 33·5    | 17·6     | 11·4     | 3·4      | 3·4     | 2·0      |
| LONDON                            |     |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| London                            | ... | 13          | 17        | 25      | 110      | 519      | 1,579    | 2,651   | 2,413   | 1,588    | 1,160    | 918      | 597     | 262      | 165      | 102      | 72      | 59       |
| London                            | ... | 0·2         | 0·2       | 0·3     | 1·5      | 6·8      | 20·8     | 35·0    | 31·8    | 20·9     | 15·3     | 12·1     | 7·9     | 3·5      | 2·2      | 1·3      | 0·9     | 0·8      |
| MIDDLESEX.                        |     |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Acton U.D.                        | ... | —           | —         | —       | 4        | 4        | 15       | 34      | 36      | 24       | 26       | 15       | 11      | 6        | —        | 2        | 2       | 2        |
| Acton U.D.                        | ... | —           | —         | —       | 3·6      | 3·6      | 13·7     | 31·0    | 32·8    | 21·9     | 23·7     | 13·7     | 10·0    | 5·5      | —        | 1·8      | 1·8     | 1·8      |
| Chiswick U.D.                     | ... | —           | —         | —       | —        | 4        | 10       | 9       | 25      | 28       | 14       | 13       | 1       | 3        | —        | —        | —       | 2        |
| Chiswick U.D.                     | ... | —           | —         | —       | —        | 5·2      | 13·0     | 11·7    | 32·4    | 36·3     | 18·2     | 16·9     | 1·3     | 3·9      | —        | —        | —       | 2·6      |
| Ealing M.B.                       | ... | —           | —         | —       | —        | 3        | 10       | 32      | 37      | 15       | 17       | 16       | 11      | 7        | —        | 2        | 2       | 1        |
| Ealing M.B.                       | ... | —           | —         | —       | —        | 2·4      | 8·1      | 25·9    | 29·9    | 12·1     | 13·7     | 12·9     | 8·9     | 5·7      | —        | 1·6      | 1·6     | 0·8      |
| Edmonton U.D.                     | ... | —           | 4         | 6       | 12       | 29       | 41       | 39      | 19      | 11       | 10       | 15       | 9       | 7        | 1        | 4        | —       | —        |
| Edmonton U.D.                     | ... | —           | 3·3       | 4·9     | 9·8      | 23·7     | 33·5     | 31·9    | 15·5    | 9·0      | 8·2      | 12·3     | 7·4     | 5·7      | 0·8      | 3·3      | —       | 0·8      |
| Enfield U.D.                      | ... | —           | —         | 2       | 4        | 13       | 28       | 40      | 17      | 13       | 9        | 8        | 4       | 2        | 2        | —        | 1       | —        |
| Enfield U.D.                      | ... | —           | —         | 1·9     | 3·8      | 12·4     | 26·8     | 38·3    | 16·3    | 12·4     | 8·6      | 7·7      | 3·8     | 1·9      | 1·9      | —        | 1·0     | —        |
| Finchley U.D.                     | ... | —           | —         | 1       | —        | 5        | 11       | 24      | 29      | 9        | 7        | 10       | 7       | 3        | 2        | 5        | 1       | 1        |
| Finchley U.D.                     | ... | —           | —         | 1·2     | —        | 6·0      | 13·3     | 29·0    | 35·0    | 10·9     | 8·4      | 12·1     | 8·4     | 3·6      | 2·4      | 6·0      | 1·2     | 1·2      |



TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued*.

| Administrative Counties.     | Week ending |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
|------------------------------|-------------|-----------|---------|----------|----------|----------|---------|---------|----------|----------|----------|---------|----------|----------|----------|---------|----------|
|                              | Sept. 21.   | Sept. 28. | Oct. 5. | Oct. 12. | Oct. 19. | Oct. 26. | Nov. 2. | Nov. 9. | Nov. 16. | Nov. 23. | Nov. 30. | Dec. 7. | Dec. 14. | Dec. 21. | Dec. 28. | Jan. 4. | Jan. 11. |
| MIDDLESEX— <i>cont.</i>      |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Hendon U.D. ...              | —           | —         | —       | 3        | 6        | 13       | 31      | 14      | 14       | 5        | 9        | 6       | 5        | 4        | —        | 2       | 1        |
| Heston and<br>Isleworth U.D. | —           | —         | —       | —        | 1        | 7        | 14      | 29      | 18       | 9        | 22       | 9       | 5        | 1        | —        | 1       | —        |
| Hornsey M.B. ...             | —           | —         | 7       | 12       | 29       | 49       | 34      | 17      | 22       | 18       | 5        | 8       | 2        | 1        | —        | —       | 3        |
| Southall Norwood U.D.        | —           | —         | 4·6     | 7·9      | 19·1     | 32·3     | 22·4    | 11·2    | 14·5     | 11·8     | 3·3      | 5·3     | 1·3      | 0·7      | —        | —       | 2·0      |
| Southgate U.D....            | —           | —         | 1       | —        | 2        | 4        | 7       | 12      | 6        | 16       | 12       | 6       | 3        | 1        | 1        | —       | 1        |
| Tottenham U.D.               | —           | —         | 1·8     | —        | 3·5      | 7·0      | 12·3    | 21·1    | 10·5     | 28·1     | 21·1     | 10·5    | 5·3      | 1·8      | 1·8      | —       | 1·8      |
| Twickenham U.D.              | —           | —         | 1       | 5        | 5        | 8        | 18      | 10      | 10       | 6        | 7        | 4       | 3        | —        | —        | 1       | 1        |
| Willesden U.D....            | —           | —         | 1·5     | 7·4      | 7·4      | 11·8     | 26·5    | 14·7    | 14·7     | 8·8      | 10·3     | 5·9     | 4·4      | —        | —        | 1·5     | 1·5      |
| Wood Green U.D.              | —           | —         | 11      | 19       | 34       | 55       | 74      | 62      | 40       | 17       | 25       | 27      | 18       | 7        | 5        | 9       | 2        |
| Remainder of County ...      | 4·1         | 4·1       | 7·1     | 12·6     | 20·5     | 27·5     | 23·1    | 14·9    | 6·3      | 9·3      | 10·0     | 6·7     | 2·6      | 1·9      | 3·3      | 0·7     | 1·1      |
| Willesden U.D....            | —           | —         | —       | 1        | 1        | 6        | 27      | 25      | 12       | 10       | 5        | 8       | 6        | —        | 1        | 1       | 2        |
| Wood Green U.D.              | —           | —         | 1       | —        | 5        | 22       | 81      | 116     | 90       | 56       | 45       | 37      | 19       | 11       | 5        | 8       | 4        |
| Remainder of County ...      | —           | —         | 0·3     | —        | 1·7      | 7·6      | 28·1    | 40·2    | 31·2     | 19·4     | 15·6     | 12·8    | 6·6      | 3·8      | 1·7      | 2·8     | 1·4      |
| Willesden U.D....            | —           | —         | 2       | 8        | 8        | 20       | 25      | 28      | 16       | 12       | 10       | 4       | 6        | 1        | 2        | —       | 1        |
| Wood Green U.D.              | —           | —         | 2·2     | 8·7      | 8·7      | 21·8     | 27·2    | 30·5    | 17·4     | 13·1     | 10·9     | 4·4     | 6·5      | 1·1      | 2·2      | —       | 1·1      |
| Remainder of County ...      | 1           | 1         | 4       | 6        | 25       | 61       | 80      | 105     | 68       | 56       | 52       | 28      | 21       | 14       | 4        | 8       | 6        |
|                              | 0·2         | 0·2       | 0·9     | 1·4      | 5·9      | 14·5     | 19·0    | 24·9    | 16·1     | 13·3     | 12·3     | 6·6     | 5·0      | 3·3      | 0·9      | 1·9     | 1·4      |
| MONMOUTHSHIRE.               |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Abersychan U.D. ...          | 1           | 3         | 6       | 4        | 4        | 9        | 7       | 2       | 1        | —        | 1        | 1       | 4        | —        | —        | —       | —        |
| Abertillery U.D.             | 2·1         | 6·4       | 12·7    | 8·5      | 8·5      | 19·1     | 14·8    | 4·2     | 2·1      | —        | 2·1      | 2·1     | 8·5      | —        | —        | —       | —        |
| Bedwellty U.D.               | —           | —         | —       | —        | —        | —        | 2       | 7       | 11       | 23       | 32       | 18      | 11       | 2        | 4        | 1       | 2        |
| Ebbw Vale U.D.               | 2           | —         | 3       | 10       | 5        | 3        | 7       | 5       | 2        | 2        | 1        | —       | 2        | —        | —        | —       | —        |
| Tredegar U.D. ...            | 3·7         | —         | 5·6     | 18·6     | 9·3      | 5·6      | 13·0    | 9·3     | 3·7      | 3·7      | 1·9      | —       | 3·7      | —        | —        | —       | —        |
| Remainder of County ...      | —           | —         | —       | —        | —        | 2        | 2       | 2       | 1        | 8        | 8        | 3       | 4        | 2        | —        | —       | 1        |
|                              | —           | —         | —       | —        | —        | 2·9      | 2·9     | 2·9     | 1·5      | 11·7     | 11·7     | 4·4     | 5·8      | 2·9      | —        | —       | 1·5      |
|                              | —           | —         | —       | —        | —        | —        | —       | 1       | 3        | 1        | 10       | 7       | 4        | 4        | —        | 2       | 2        |
|                              | —           | —         | —       | —        | —        | —        | 2·3     | 6·8     | 2·3      | 22·8     | 15·9     | 9·1     | 9·1      | —        | 4·6      | 4·6     | —        |
|                              | 4           | 7         | 4       | 12       | 28       | 51       | 47      | 40      | 24       | 27       | 34       | 42      | 34       | 18       | 12       | 5       | 10       |
|                              | 1·2         | 2·1       | 1·2     | 3·6      | 8·4      | 15·2     | 14·0    | 11·9    | 7·2      | 8·1      | 10·1     | 12·5    | 10·1     | 5·4      | 3·6      | 1·5     | 3·0      |
| NORFOLK.                     |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| King's Lynn M.B. ...         | —           | —         | —       | 1        | 1        | 3        | 14      | 33      | 15       | 6        | 4        | —       | —        | —        | 2        | 2       | —        |
| Remainder of County ...      | —           | —         | —       | 2·9      | 2·9      | 8·7      | 40·8    | 96·2    | 43·7     | 17·5     | 11·7     | —       | —        | —        | 5·8      | 5·8     | —        |
|                              | —           | 1         | —       | 3        | 5        | 14       | 36      | 102     | 130      | 104      | 117      | 64      | 40       | 27       | 10       | 9       | 7        |
|                              | —           | 0·2       | —       | 0·6      | 1·0      | 2·8      | 7·1     | 20·2    | 25·7     | 20·6     | 23·1     | 12·7    | 7·9      | 5·3      | 2·0      | 1·8     | 1·4      |
| NORTHAMPTONSHIRE.            |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Kettering U.D. ...           | —           | —         | 1       | 1        | —        | 2        | 1       | 2       | 5        | 9        | 4        | 3       | —        | 2        | —        | —       | 2        |
| Remainder of County ...      | —           | —         | 1·8     | 1·8      | —        | 3·7      | 1·8     | 1·8     | 3·7      | 9·2      | 16·5     | 7·4     | 5·5      | —        | 3·7      | —       | 3·7      |
|                              | 2           | —         | 3       | 1        | 12       | 17       | 52      | 81      | 59       | 66       | 73       | 55      | 31       | 18       | 7        | 5       | 5        |
|                              | 0·6         | —         | 1·0     | 0·3      | 3·8      | 5·4      | 16·5    | 25·7    | 18·7     | 21·0     | 23·2     | 17·5    | 9·8      | 5·7      | 2·2      | 1·6     | 1·6      |
| NORTHUMBERLAND.              |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Ashington U.D. ...           | —           | —         | —       | —        | —        | —        | —       | —       | 6        | 10       | 13       | 6       | 2        | —        | 2        | 1       | —        |
| Bedlingtonshire U.D. ...     | —           | —         | —       | —        | —        | —        | —       | —       | 12·5     | 20·9     | 27·1     | 12·5    | 4·2      | —        | 4·2      | 2·1     | —        |
| Blyth U.D. ...               | —           | —         | —       | —        | 1        | —        | 2       | 4       | 11       | 11       | 11       | 7       | 4        | 1        | 3        | 2       | 2        |
| Wallsend M.B. ...            | —           | —         | —       | —        | 2·3      | —        | 4·5     | 9·0     | 24·8     | 24·8     | 24·8     | 15·8    | 9·0      | 2·3      | 6·8      | 4·5     | 4·5      |
| Remainder of County ...      | —           | —         | —       | —        | 1        | —        | 2       | 1       | 9        | 25       | 20       | 10      | 5        | —        | —        | —       | 1        |
|                              | —           | —         | —       | —        | 1·9      | —        | 3·7     | 1·9     | 16·8     | 46·6     | 37·3     | 18·7    | 9·3      | —        | —        | —       | 1·9      |
|                              | 1           | —         | 1       | 1        | 1        | 8        | 29      | 71      | 87       | 26       | 12       | 12      | 7        | 3        | 3        | —       | 2        |
|                              | 1·2         | —         | 1·2     | 1·2      | 1·2      | 9·6      | 34·7    | 84·9    | 44·3     | 31·1     | 14·4     | 14·4    | 8·4      | 3·6      | 3·6      | —       | 2·4      |
|                              | 1           | —         | 1       | 2        | 3        | 13       | 15      | 57      | 76       | 114      | 150      | 90      | 37       | 25       | 13       | 4       | 2        |
|                              | 0·2         | —         | 0·2     | 0·4      | 0·7      | 2·9      | 3·3     | 12·6    | 16·8     | 25·2     | 33·2     | 19·9    | 8·2      | 5·5      | 2·9      | 0·9     | 0·4      |
| NOTTINGHAMSHIRE.             |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Mansfield M.B....            | —           | —         | —       | —        | —        | 4        | 4       | 6       | 15       | 23       | 32       | 17      | 4        | 2        | 2        | 1       | 1        |
| Sutton-in-Ashfield U.D.      | —           | —         | —       | —        | —        | 5·4      | 5·4     | 8·1     | 20·2     | 31·0     | 43·1     | 22·9    | 5·4      | 2·7      | 2·7      | 1·3     | 1·3      |
| Worksop U.D. ...             | —           | —         | —       | —        | —        | —        | 4       | 13      | 19       | 26       | 29       | 8       | 4        | 1        | —        | —       | —        |
| Remainder of County ...      | —           | —         | —       | —        | —        | —        | 9·6     | 31·2    | 45·6     | 62·4     | 69·5     | 19·2    | 9·6      | 2·4      | —        | —       | —        |
|                              | —           | —         | —       | —        | 1        | —        | 4       | 11      | 33       | 40       | 16       | 7       | 3        | 2        | —        | —       | —        |
|                              | —           | —         | —       | —        | 2·5      | —        | 10·2    | 23·0    | 84·0     | 101·8    | 40·7     | 17·8    | 7·6      | 5·1      | —        | —       | —        |
|                              | —           | 1         | —       | 2        | 9        | 16       | 73      | 116     | 152      | 200      | 241      | 155     | 68       | 34       | 8        | 4       | 4        |
|                              | —           | 0·2       | —       | 0·4      | 1·8      | 3·2      | 14·7    | 23·4    | 30·7     | 40·3     | 48·6     | 31·3    | 13·7     | 6·9      | 1·6      | 0·8     | 0·8      |
| OXFORDSHIRE                  | —           | —         | —       | 1        | 9        | 37       | 61      | 81      | 54       | 47       | 45       | 29      | 20       | 13       | 6        | 2       | 1        |
|                              | —           | —         | —       | 0·4      | 3·9      | 16·2     | 26·7    | 35·4    | 23·6     | 20·6     | 19·7     | 12·7    | 8·6      | 5·7      | 2·6      | 0·9     | 0·4      |
| PETERBOROUGH,<br>SOKE OF.    |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Peterborough M.B. ...        | —           | —         | —       | —        | —        | 1        | —       | 3       | 17       | 17       | 22       | 9       | 5        | —        | —        | 1       | 1        |
| Remainder of County ...      | —           | —         | —       | —        | —        | 1·5      | —       | 4·4     | 25·1     | 25·1     | 32·4     | 13·3    | 7·4      | —        | —        | 1·5     | 1·5      |
|                              | —           | —         | —       | —        | —        | 1        | —       | —       | 1        | 2        | 4        | 3       | 8        | —        | 3        | —       | —        |
|                              | —           | —         | —       | —        | —        | 5·0      | —       | —       | 5·0      | 9·9      | 19·8     | 14·9    | 39·6     | —        | 14·9     | —       | —        |
| RUTLANDSHIRE                 | —           | 1         | —       | —        | —        | 1        | 6       | 15      | 11       | 14       | 18       | 16      | 4        | 6        | 2        | 2       | 1        |
|                              | —           | 3·0       | —       | —        | —        | 3·0      | 17·8    | 44·4    | 32·5     | 41·4     | 53·3     | 47·3    | 11·8     | 17·8     | 5·9      | 5·9     | 3·0      |

TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued*.

| Administrative Counties.    | Week ending |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
|-----------------------------|-------------|-----------|---------|----------|----------|----------|---------|---------|----------|----------|----------|---------|----------|----------|----------|---------|----------|
|                             | Sept. 21.   | Sept. 28. | Oct. 5. | Oct. 12. | Oct. 19. | Oct. 26. | Nov. 2. | Nov. 9. | Nov. 16. | Nov. 23. | Nov. 30. | Dec. 7. | Dec. 14. | Dec. 21. | Dec. 28. | Jan. 4. | Jan. 11. |
| SHROPSHIRE.                 |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Shrewsbury M.B. ...         | —           | —         | —       | 1        | 4        | 13       | 20      | 29      | 9        | 4        | 3        | 2       | 3        | 2        | 4        | —       | —        |
| Remainder of County ...     | 9           | 9         | 13      | 19       | 7.5      | 24.5     | 37.7    | 54.6    | 16.9     | 7.5      | 5.6      | 3.8     | 5.6      | 3.8      | 7.5      | —       | —        |
|                             | 2.5         | 2.5       | 3.6     | 6.7      | 10.5     | 13.0     | 24.2    | 31.4    | 17.5     | 13.6     | 10.3     | 7.8     | 3.9      | 4.4      | 1.9      | 3.3     | 0.8      |
| SOMERSETSHIRE.              |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Taunton M.B. ...            | 1           | —         | —       | 1        | 3        | —        | 2       | 4       | 4        | 6        | 6        | 2       | —        | —        | —        | —       | —        |
| Weston-super-Mare U.D.      | —           | —         | —       | —        | —        | 2        | 8       | 8       | 15       | 12       | 14       | 6       | 2        | —        | —        | —       | —        |
| Remainder of County ...     | 1           | 4         | 5       | 10       | 24       | 61       | 127     | 143     | 98       | 86       | 50       | 45      | 27       | 16       | 11       | 4       | 7        |
|                             | 0.2         | 0.7       | 0.9     | 1.7      | 4.2      | 10.6     | 22.1    | 24.9    | 17.1     | 15.0     | 8.7      | 7.8     | 4.7      | 2.8      | 1.9      | 0.7     | 1.2      |
| SOUTHAMPTON.                |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Aldershot U.D. ...          | —           | —         | —       | —        | 2        | 11       | 8       | 9       | 5        | 3        | 6        | —       | —        | 2        | —        | —       | —        |
| Gosport and Alverstoke U.D. | —           | —         | 3       | 6        | 13       | 10       | 5       | 1       | —        | 2        | 2        | —       | 2        | —        | —        | —       | —        |
| Winchester M.B. ...         | —           | —         | —       | 1        | 2        | 4        | 6       | 1       | 2        | 2        | 7        | 3       | 2        | —        | —        | 1       | 1        |
| Remainder of County ...     | —           | 2         | 8       | 19       | 70       | 134      | 106     | 90      | 62       | 50       | 48       | 34      | 23       | 21       | 5        | 10      | 4        |
|                             | —           | 0.3       | 1.3     | 3.2      | 11.7     | 22.3     | 17.7    | 15.0    | 10.3     | 8.3      | 8.0      | 5.7     | 3.8      | 3.5      | 0.8      | 1.7     | 0.7      |
| STAFFORDSHIRE.              |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Bilston U.D. ...            | —           | 1         | 1       | —        | —        | —        | 3       | 7       | 7        | 27       | 35       | 20      | 6        | 2        | 1        | 1       | 1        |
| Cannock U.D. ...            | —           | 2.3       | 2.3     | —        | —        | —        | 6.8     | 15.8    | 15.8     | 60.9     | 79.0     | 45.1    | 13.5     | 4.5      | 2.3      | 2.3     | 2.3      |
| Coseley U.D. ...            | —           | —         | —       | 1        | —        | 2        | 5       | 14      | 29       | 12       | 10       | 8       | 5        | —        | 3        | 1       | —        |
| Newcastle-under-Lyme M.B.   | —           | —         | —       | 1        | —        | —        | 4       | 8       | 13       | 22       | 13       | 8       | 3        | 1        | —        | 3       | 1        |
| Rowley Regis U.D.           | —           | 1         | —       | —        | —        | —        | 9.7     | 19.5    | 31.6     | 53.5     | 31.6     | 19.5    | 7.3      | 2.4      | —        | 7.3     | 2.4      |
| Stafford M.B. ...           | —           | —         | —       | —        | —        | —        | 4       | 4       | 16       | 6        | 4        | 2       | —        | 1        | 3        | 2       | 1        |
| Tipton U.D. ...             | —           | 1         | —       | —        | —        | —        | 8.6     | 8.6     | 34.6     | 13.0     | 8.6      | 4.3     | —        | 2.2      | 6.5      | 4.3     | 4.3      |
| Wednesbury M.B. ...         | —           | —         | —       | —        | —        | —        | 1       | 2       | 18       | 39       | 35       | 17      | 19       | 2        | 1        | 1       | —        |
| Wolstanton United U.D.      | —           | —         | —       | —        | 1        | 2        | 19      | 23      | 17       | 8        | 4        | 1       | 1        | —        | —        | —       | —        |
| Remainder of County ...     | 1           | 2         | 3       | 10       | 37       | 63       | 101     | 137     | 158      | 240      | 235      | 152     | 67       | 33       | 13       | 10      | 7        |
|                             | 0.1         | 0.3       | 0.4     | 1.3      | 5.0      | 8.5      | 13.6    | 18.4    | 21.2     | 32.2     | 31.6     | 20.4    | 9.0      | 4.4      | 1.7      | 1.3     | 0.9      |
| SUFFOLK, EAST.              |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Lowestoft M.B. ...          | —           | —         | —       | 1        | —        | 4        | 8       | 14      | 11       | 12       | 9        | 3       | 4        | —        | 1        | 1       | 2        |
| Remainder of County ...     | 1           | —         | —       | —        | 5        | 2        | 22      | 69      | 53       | 44       | 38       | 35      | 20       | 18       | 7        | 7       | 1        |
|                             | 0.4         | —         | —       | —        | 1.8      | 0.7      | 7.8     | 24.5    | 18.8     | 15.6     | 13.5     | 12.4    | 7.1      | 6.4      | 2.5      | 2.5     | 0.4      |
| SUFFOLK, WEST               |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| —                           | —           | —         | —       | 2        | 2        | 12       | 24      | 34      | 50       | 66       | 50       | 25      | 16       | 7        | 3        | 8       | 2        |
|                             | —           | —         | —       | 1.1      | 1.1      | 6.5      | 12.9    | 18.3    | 26.9     | 35.5     | 26.9     | 13.4    | 8.6      | 3.8      | 1.6      | 4.3     | 1.1      |
| SURREY.                     |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Barnes U.D. ...             | —           | —         | —       | 2        | 1        | 3        | 20      | 17      | 9        | 10       | 11       | 4       | 1        | —        | —        | 1       | —        |
| Guildford M.B. ...          | —           | —         | —       | 3.3      | 1.7      | 5.0      | 33.1    | 28.1    | 14.9     | 16.6     | 18.2     | 6.6     | 1.7      | —        | —        | 1.7     | —        |
| Kingston-on-Thames M.B.     | —           | —         | 1       | —        | —        | 3        | 2       | 8       | 8        | 16       | 20       | 7       | 3        | —        | —        | —       | —        |
| Mitcham U.D. ...            | 1           | —         | —       | 1        | 5        | 15       | 21      | 18      | 7        | 9        | 8        | 6       | 4        | 1        | 1        | 2       | —        |
| Reigate M.B. ...            | 1.4         | —         | —       | 1.4      | 7.2      | 21.5     | 30.1    | 25.8    | 10.0     | 12.9     | 11.5     | 8.6     | 5.7      | 1.4      | 1.4      | 2.9     | —        |
| Richmond M.B.               | —           | 1         | —       | —        | 2        | 16       | 30      | 29      | 13       | 7        | 6        | 6       | 2        | 1        | —        | —       | —        |
| Sutton U.D. ...             | —           | 1.7       | —       | —        | 3.4      | 27.2     | 51.0    | 49.3    | 22.1     | 11.9     | 10.2     | 10.2    | 3.4      | 1.7      | —        | —       | —        |
| Wimbledon M.B.              | —           | —         | 3       | 4        | 13       | 11       | 11      | 2       | 1        | 2        | 1        | 4       | 2        | 2        | 1        | 1       | —        |
| Woking U.D. ...             | —           | —         | 5.9     | 7.9      | 25.6     | 21.7     | 21.7    | 3.9     | 2.0      | 3.9      | 2.0      | 7.9     | 3.9      | 3.9      | 2.0      | 2.0     | —        |
| Remainder of County ...     | —           | —         | —       | 1        | 5        | 7        | 22      | 8       | 10       | 14       | 6        | 5       | 2        | 2        | 1        | —       | 1        |
|                             | —           | —         | —       | 1.6      | 7.8      | 10.9     | 34.2    | 12.4    | 15.6     | 21.8     | 9.3      | 7.8     | 3.1      | 3.1      | 1.6      | —       | 1.6      |
|                             | —           | —         | —       | —        | —        | —        | 4       | 6       | 3        | —        | 1        | —       | 1        | —        | —        | —       | —        |
|                             | —           | —         | —       | —        | —        | 10.8     | 16.3    | 8.1     | —        | 2.7      | —        | 2.7     | —        | —        | —        | —       | —        |
|                             | 1           | —         | —       | —        | 5        | 15       | 25      | 39      | 13       | 14       | 10       | 10      | 2        | 1        | 2        | —       | —        |
|                             | 1.0         | —         | —       | —        | 5.1      | 15.3     | 25.6    | 39.9    | 13.3     | 14.3     | 10.2     | 10.2    | 2.0      | 1.0      | 2.0      | —       | —        |
|                             | —           | —         | —       | —        | —        | 3        | 7       | 5       | 4        | 5        | 1        | 2       | 3        | —        | —        | 2       | 1        |
|                             | —           | —         | —       | —        | —        | 6.6      | 15.4    | 11.0    | 8.8      | 11.0     | 2.2      | 4.4     | 6.6      | —        | —        | 4.4     | 2.2      |
|                             | 1           | 1         | 3       | 8        | 17       | 70       | 129     | 154     | 97       | 83       | 62       | 59      | 32       | 16       | 14       | 9       | 7        |
|                             | 0.1         | 0.1       | 0.4     | 1.1      | 2.4      | 9.8      | 18.1    | 21.7    | 13.6     | 11.7     | 8.7      | 8.3     | 4.5      | 2.3      | 2.0      | 1.3     | 1.0      |
| SUSSEX, EAST.               |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Hove M.B. ...               | —           | —         | —       | —        | 4        | 12       | 18      | 16      | 11       | 10       | 8        | 4       | 6        | 3        | —        | 1       | —        |
| Remainder of County ...     | —           | —         | —       | —        | 5.1      | 15.3     | 23.0    | 20.5    | 14.1     | 12.8     | 10.2     | 5.1     | 7.7      | 3.8      | —        | 1.3     | —        |
|                             | 2           | —         | —       | 4        | 12       | 43       | 74      | 85      | 63       | 51       | 50       | 43      | 27       | 15       | 14       | 9       | 12       |
|                             | 0.6         | —         | —       | 1.2      | 3.5      | 12.5     | 21.5    | 24.7    | 18.3     | 14.8     | 14.5     | 12.5    | 7.8      | 4.4      | 4.1      | 2.6     | 3.5      |



TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued*.

| Administrative Counties.  | Week ending |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
|---------------------------|-------------|-----------|---------|----------|----------|----------|---------|---------|----------|----------|----------|---------|----------|----------|----------|---------|----------|
|                           | Sept. 21.   | Sept. 28. | Oct. 5. | Oct. 12. | Oct. 19. | Oct. 26. | Nov. 2. | Nov. 9. | Nov. 16. | Nov. 23. | Nov. 30. | Dec. 7. | Dec. 14. | Dec. 21. | Dec. 28. | Jan. 4. | Jan. 11. |
| SUSSEX, WEST.             |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Worthing M.B. ...         | —           | —         | —       | —        | —        | 4        | 23      | 12      | 12       | 3        | 5        | 5       | 3        | —        | —        | 1       | —        |
| Remainder of County ...   | —           | —         | 5       | 4        | 13       | 7·2      | 41·7    | 21·7    | 21·7     | 5·4      | 9·1      | 9·1     | 5·4      | —        | —        | 1·8     | —        |
|                           | —           | —         | 2·0     | 1·6      | 5·1      | 11·0     | 19·2    | 19·6    | 14·1     | 13·7     | 13·7     | 6·3     | 5·1      | 2·7      | 3·1      | 2·3     | 2·7      |
| WARWICKSHIRE.             |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Nuneaton M.B. ...         | —           | —         | —       | —        | 1        | 3        | 17      | 23      | 32       | 28       | 18       | 4       | 4        | 2        | 1        | 1       | 1        |
| Royal Leamington Spa M.B. | —           | —         | —       | —        | 1·4      | 4·3      | 24·3    | 32·9    | 45·8     | 40·1     | 25·8     | 5·7     | 5·7      | 2·9      | 1·4      | 1·4     | 1·4      |
| Rugby U.D. ...            | —           | —         | —       | —        | —        | 3        | 10      | 21      | 23       | 23       | 5        | 9       | 2        | —        | 1        | —       | —        |
| Sutton Coldfield M.B. ... | —           | —         | —       | —        | —        | 5·7      | 19·0    | 39·9    | 43·7     | 43·7     | 9·5      | 17·1    | 3·8      | —        | 1·9      | —       | —        |
| Remainder of County ...   | —           | —         | —       | —        | 8        | 10       | 25      | 15      | 12       | 6        | 3        | 1       | 3        | 1        | 1        | —       | —        |
|                           | —           | —         | —       | —        | 18·4     | 23·0     | 57·5    | 34·5    | 27·6     | 13·8     | 6·9      | 2·3     | 6·9      | 2·3      | 2·3      | —       | —        |
|                           | —           | —         | —       | —        | 1        | —        | 6       | 13      | 6        | 4        | 8        | 5       | 2        | 1        | —        | 1       | —        |
|                           | —           | —         | —       | —        | 2·5      | —        | 15·1    | 32·7    | 15·1     | 10·1     | 20·2     | 12·6    | 5·0      | 2·5      | —        | 2·5     | —        |
|                           | 1           | 2         | —       | 2        | 8        | 45       | 105     | 112     | 121      | 116      | 87       | 43      | 16       | 9        | 11       | 5       | 1        |
|                           | 0·3         | 0·5       | —       | 0·5      | 2·2      | 12·2     | 28·4    | 30·3    | 32·7     | 31·4     | 23·5     | 11·6    | 4·3      | 2·4      | 3·0      | 1·4     | 0·3      |
| WESTMORLAND               |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
|                           | —           | —         | —       | 2        | 1        | 9        | 12      | 11      | 22       | 21       | 31       | 28      | 13       | 5        | 2        | 1       | —        |
|                           | —           | —         | —       | 1·9      | 1·0      | 8·6      | 11·5    | 10·5    | 21·0     | 20·1     | 29·6     | 26·8    | 12·4     | 4·8      | 1·9      | 1·0     | —        |
| WIGHT, ISLE OF            |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
|                           | —           | —         | 1       | 4        | 10       | 16       | 21      | 30      | 19       | 19       | 13       | 15      | 5        | 5        | 2        | 3       | 3        |
|                           | —           | —         | 0·7     | 2·7      | 6·7      | 10·7     | 14·0    | 20·0    | 12·7     | 12·7     | 8·7      | 10·0    | 3·3      | 3·3      | 1·3      | 2·0     | 2·0      |
| WILTSHIRE.                |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Salisbury M.B. ...        | —           | —         | —       | 2        | 2        | 3        | 8       | 12      | 3        | 1        | 2        | 4       | 2        | 2        | —        | 2       | —        |
| Swindon M.B. ...          | —           | —         | —       | 5·0      | 5·0      | 7·6      | 20·2    | 30·2    | 7·6      | 2·5      | 5·0      | 10·1    | 5·0      | 5·0      | —        | 5·0     | —        |
| Remainder of County ...   | —           | 1         | —       | —        | 1        | 11       | 40      | 36      | 13       | 11       | 10       | 4       | 1        | —        | —        | —       | —        |
|                           | —           | 1·0       | —       | —        | 1·0      | 11·4     | 41·4    | 37·2    | 13·4     | 11·4     | 10·3     | 4·1     | 1·0      | —        | —        | —       | —        |
|                           | 2           | 2         | 2       | 7        | 8        | 16       | 39      | 73      | 88       | 63       | 65       | 48      | 19       | 7        | 7        | 2       | 1        |
|                           | 0·6         | 0·6       | 0·6     | 1·9      | 2·2      | 4·4      | 10·8    | 20·2    | 24·4     | 17·5     | 18·0     | 13·3    | 5·3      | 1·9      | 1·9      | 0·6     | 0·3      |
| WORCESTERSHIRE.           |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Kidderminster M.B. ...    | —           | —         | —       | —        | 1        | 10       | 23      | 37      | 28       | 17       | 10       | 3       | 3        | —        | 2        | 2       | —        |
| Oldbury U.D. ...          | —           | —         | —       | —        | 2·3      | 22·8     | 52·5    | 84·5    | 63·9     | 38·8     | 22·8     | 6·8     | 6·8      | —        | 4·6      | 4·6     | —        |
| Remainder of County ...   | —           | —         | —       | —        | —        | —        | 6       | 2       | 9        | 35       | 35       | 16      | 5        | 2        | 1        | 1       | —        |
|                           | —           | —         | —       | —        | —        | —        | 8·9     | 3·0     | 13·4     | 51·9     | 51·9     | 23·7    | 7·4      | 3·0      | 1·5      | 1·5     | —        |
|                           | 1           | 2         | 7       | 3        | 8        | 35       | 91      | 121     | 114      | 95       | 86       | 48      | 30       | 10       | 6        | 6       | 7        |
|                           | 0·3         | 0·5       | 1·8     | 0·8      | 2·0      | 9·0      | 23·3    | 31·0    | 29·2     | 24·3     | 22·0     | 12·3    | 7·7      | 2·6      | 1·5      | 1·5     | 1·8      |
| YORKSHIRE, EAST RIDING.   |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
|                           | —           | —         | —       | —        | 5        | 30       | 61      | 64      | 45       | 62       | 56       | 40      | 41       | 29       | 19       | 5       | 5        |
|                           | —           | —         | —       | —        | 1·8      | 10·8     | 21·9    | 23·0    | 16·2     | 22·3     | 20·1     | 14·4    | 14·7     | 10·4     | 6·8      | 1·8     | 1·8      |
| YORKSHIRE, NORTH RIDING.  |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Eston U.D. ...            | —           | —         | —       | —        | —        | 1        | 5       | 12      | 6        | 9        | 8        | 6       | 7        | 4        | 2        | 2       | 1        |
| Scarborough M.B. ...      | —           | —         | —       | —        | —        | 1·8      | 9·2     | 22·1    | 11·1     | 16·6     | 14·8     | 11·1    | 12·9     | 7·4      | 3·7      | 3·7     | 1·8      |
| Remainder of County ...   | —           | —         | —       | —        | 1        | 2        | 3       | 11      | 11       | 12       | 10       | 11      | 9        | 4        | 1        | 1       | —        |
|                           | —           | —         | —       | —        | —        | —        | 8·9     | 3·0     | 13·4     | 51·9     | 51·9     | 23·7    | 7·4      | 3·0      | 1·5      | 1·5     | —        |
|                           | 1           | 3         | —       | 8        | 35       | 86       | 96      | 111     | 122      | 117      | 67       | 47      | 24       | 12       | 6        | 6       | 6        |
|                           | 0·2         | 0·7       | —       | 1·9      | 8·5      | 21·0     | 23·4    | 27·1    | 29·7     | 28·5     | 16·3     | 11·5    | 5·8      | 2·9      | 1·5      | 1·5     | —        |
| YORKSHIRE, WEST RIDING.   |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Batley M.B. ...           | —           | —         | —       | 1        | —        | 2        | 5       | 12      | 7        | 21       | 16       | 10      | 5        | 3        | 1        | 1       | 3        |
| Brighouse M.B. ...        | —           | —         | —       | 1·6      | —        | 3·2      | 8·0     | 19·3    | 11·2     | 33·7     | 25·7     | 16·1    | 8·0      | 4·8      | 1·6      | 1·6     | 4·8      |
| Castleford U.D. ...       | —           | —         | —       | —        | —        | 2        | 3       | 11      | 4        | 6        | 5        | 3       | —        | 2        | —        | —       | 1        |
| Doncaster M.B. ...        | —           | —         | —       | —        | —        | 5·4      | 8·1     | 29·6    | 10·8     | 16·2     | 13·5     | 8·1     | —        | 5·4      | —        | —       | 2·7      |
| Goole U.D. ...            | —           | —         | —       | —        | —        | 11       | 10      | 3       | 2        | 4        | 2        | 2       | 1        | —        | 2        | 1       | —        |
| Harrogate M.B. ...        | —           | —         | —       | 9·1      | 15·9     | 36·4     | 25·0    | 22·7    | 6·8      | 4·5      | 9·1      | 4·5     | 4·5      | 2·3      | —        | 4·5     | 2·3      |
| Keighley M.B. ...         | —           | —         | —       | —        | —        | 2        | 5       | 15      | 24       | 39       | 30       | 23      | 13       | 3        | 4        | 2       | 1        |
| Morley M.B. ...           | —           | —         | —       | —        | —        | 2·2      | 5·5     | 16·5    | 26·4     | 42·9     | 33·0     | 25·3    | 14·3     | 3·3      | 4·4      | 2·2     | 1·1      |
| Shipley U.D. ...          | —           | —         | —       | —        | —        | 2        | 9       | 4       | 11       | 9        | 4        | 7       | 7        | 3        | 2        | 2       | —        |
| Spenborough U.D. ...      | —           | —         | —       | —        | —        | 6·3      | 28·5    | 12·7    | 34·8     | 28·5     | 12·7     | 22·2    | 22·2     | 9·5      | 6·3      | 6·3     | —        |
| Todmorden M.B. ...        | —           | —         | —       | —        | —        | 2        | 6       | 17      | 18       | 15       | 8        | 5       | 3        | 8        | —        | —       | 3        |
| Remainder of County ...   | —           | —         | —       | —        | —        | 3·1      | 9·4     | 26·6    | 28·2     | 23·5     | 12·5     | 7·8     | 4·7      | 12·5     | —        | —       | 4·7      |
|                           | —           | —         | —       | —        | —        | 4        | 18      | 16      | 13       | 17       | 5        | 9       | 2        | —        | —        | —       | —        |
|                           | —           | —         | —       | —        | —        | 8·0      | 36·2    | 32·2    | 26·2     | 34·2     | 10·1     | 18·1    | 4·0      | —        | —        | —       | —        |
|                           | —           | —         | —       | —        | —        | 2        | —       | 2       | 8        | 13       | 18       | 23      | 10       | 3        | 3        | —       | —        |
|                           | —           | —         | —       | —        | —        | 3·5      | —       | 3·5     | 14·1     | 22·9     | 31·7     | 40·6    | 17·6     | 5·3      | 5·3      | —       | —        |
|                           | —           | —         | —       | —        | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —       | —        |
|                           | —           | —         | —       | —        | —        | 1        | —       | 3       | 6        | 5        | 8        | 4       | 2        | 1        | 2        | 1       | —        |
|                           | —           | —         | —       | —        | —        | 2·5      | —       | 7·5     | 14·9     | 12·4     | 28·4     | 19·9    | 10·0     | 5·0      | 2·5      | 2·5     | —        |
|                           | 3           | 4         | 11      | 33       | 88       | 183      | 408     | 577     | 572      | 442      | 411      | 301     | 201      | 80       | 59       | 39      | 42       |
|                           | 0·2         | 0·2       | 0·6     | 1·7      | 4·4      | 9·2      | 20·5    | 29·0    | 28·7     | 22·2     | 20·6     | 15·1    | 10·1     | 4·0      | 3·0      | 2·0     | 2·1      |

TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued*.

| Administrative<br>Counties. | Week ending |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
|-----------------------------|-------------|-----------|---------|----------|----------|----------|---------|---------|----------|----------|----------|---------|----------|----------|----------|---------|----------|
|                             | Sept. 21.   | Sept. 28. | Oct. 5. | Oct. 12. | Oct. 19. | Oct. 26. | Nov. 2. | Nov. 9. | Nov. 16. | Nov. 23. | Nov. 30. | Dec. 7. | Dec. 14. | Dec. 21. | Dec. 28. | Jan. 4. | Jan. 11. |
| ANGLESEY ... {              | —           | 1         | —       | —        | 1        | 2        | 9       | 7       | 15       | 11       | 13       | 7       | 4        | 4        | 5        | —       | —        |
|                             | —           | 1.1       | —       | —        | 1.1      | 2.2      | 9.8     | 7.6     | 16.4     | 12.0     | 14.2     | 7.6     | 4.4      | 4.4      | 5.5      | —       | 1.1      |
| BRECKNOCKSHIRE ... {        | —           | —         | —       | —        | 2        | 5        | 12      | 16      | 29       | 41       | 21       | 20      | 9        | 4        | 1        | —       | 2        |
|                             | —           | —         | —       | —        | 1.9      | 4.9      | 11.7    | 15.5    | 28.2     | 39.8     | 20.4     | 19.4    | 8.7      | 3.9      | 1.0      | —       | 1.9      |
| CARDIGANSHIRE ... {         | 3           | 1         | —       | —        | —        | 6        | 20      | 21      | 17       | 17       | 25       | 18      | 12       | 5        | 2        | —       | —        |
|                             | 3.0         | 1.0       | —       | —        | —        | 6.1      | 20.2    | 21.2    | 17.2     | 17.2     | 25.3     | 18.2    | 12.1     | 5.1      | 2.0      | —       | —        |
| CARMARTHENSHIRE.            |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Llanelli M.B. ... {         | —           | 1         | 1       | 1        | 3        | 13       | 22      | 18      | 15       | 4        | 12       | 1       | 2        | 1        | —        | 1       | —        |
|                             | —           | 1.6       | 1.6     | 1.6      | 4.7      | 20.2     | 34.3    | 28.0    | 23.4     | 6.2      | 18.7     | 1.6     | 3.1      | 1.6      | —        | 1.6     | —        |
| Remainder of County ... {   | 1           | 1         | 2       | 4        | 8        | 15       | 43      | 70      | 69       | 39       | 31       | 26      | 16       | 6        | 7        | 4       | 2        |
|                             | 0.4         | 0.4       | 0.8     | 1.7      | 3.3      | 6.2      | 17.8    | 29.0    | 28.6     | 16.2     | 12.8     | 10.8    | 6.6      | 2.5      | 2.9      | 1.7     | 0.8      |
| CARNARVONSHIRE ... {        | —           | —         | —       | 1        | 10       | 44       | 101     | 100     | 73       | 34       | 31       | 15      | 4        | 3        | 5        | 1       | 6        |
|                             | —           | —         | —       | 0.5      | 5.0      | 22.2     | 50.9    | 50.4    | 36.8     | 17.1     | 15.6     | 7.6     | 2.0      | 1.5      | 2.5      | 0.5     | 3.0      |
| DENBIGHSHIRE ... {          | —           | 1         | 3       | 1        | 5        | 14       | 50      | 47      | 56       | 44       | 20       | 17      | 11       | 4        | 5        | 8       | 11       |
|                             | —           | 0.4       | 1.2     | 0.4      | 1.9      | 5.4      | 19.4    | 18.3    | 21.8     | 17.1     | 7.8      | 6.6     | 4.3      | 1.6      | 1.9      | 3.1     | 4.3      |
| FLINTSHIRE ... {            | —           | 1         | —       | 2        | 4        | 16       | 36      | 54      | 59       | 44       | 30       | 14      | 5        | 4        | 7        | 4       | 2        |
|                             | —           | 0.6       | —       | 1.1      | 2.3      | 9.1      | 20.6    | 30.8    | 33.7     | 25.1     | 17.1     | 8.0     | 2.9      | 2.3      | 4.0      | 2.3     | 1.1      |
| GLAMORGANSHIRE.             |             |           |         |          |          |          |         |         |          |          |          |         |          |          |          |         |          |
| Aberdare U.D. ... {         | —           | —         | —       | 1        | 3        | —        | 5       | 11      | 22       | 24       | 25       | 6       | 4        | 2        | 1        | —       | —        |
|                             | —           | —         | —       | 1.0      | 3.1      | —        | 5.2     | 11.5    | 22.9     | 25.0     | 26.1     | 6.3     | 4.2      | 2.1      | 1.0      | —       | —        |
| Barry U.D. ... {            | 1           | —         | —       | 4        | 8        | 11       | 14      | 4       | 1        | 2        | 3        | 5       | —        | —        | —        | —       | —        |
|                             | 1.5         | —         | —       | 6.2      | 12.3     | 16.9     | 21.6    | 6.2     | 1.5      | 3.1      | 4.6      | 7.7     | —        | —        | —        | —       | —        |
| Caerphilly U.D. ... {       | —           | —         | —       | 1        | 3        | 4        | 12      | 6       | 5        | 8        | 5        | 3       | 4        | 3        | 1        | 1       | —        |
|                             | —           | —         | —       | 1.5      | 4.5      | 6.0      | 18.0    | 9.0     | 7.5      | 12.0     | 7.5      | 4.5     | 6.0      | 4.5      | 1.5      | 1.5     | —        |
| Gelligaer U.D. ... {        | —           | —         | —       | 3        | 9        | 16       | 13      | 9       | 8        | 4        | 4        | 6       | 6        | 3        | 1        | 3       | 2        |
|                             | —           | —         | —       | 4.2      | 12.6     | 22.5     | 18.3    | 12.6    | 11.2     | 5.6      | 5.6      | 8.4     | 8.4      | 4.2      | 1.4      | 4.2     | 2.8      |
| Maesteg U.D. ... {          | —           | —         | —       | —        | —        | —        | 2       | 5       | 3        | 8        | 3        | 1       | 3        | 1        | —        | 1       | 1        |
|                             | —           | —         | —       | —        | —        | —        | 3.9     | 9.7     | 5.8      | 15.5     | 5.8      | 1.9     | 5.8      | 1.9      | —        | 1.9     | 1.9      |
| Mountain Ash U.D. ... {     | 1           | —         | —       | 2        | 1        | 13       | 25      | 20      | 2        | 3        | 9        | 4       | 3        | 5        | —        | 2       | —        |
|                             | 1.3         | —         | —       | 2.6      | 1.3      | 16.8     | 32.3    | 25.8    | 2.6      | 3.9      | 11.6     | 5.2     | 3.9      | 6.5      | —        | 2.6     | —        |
| Ogmore and Garw U.D. {      | —           | —         | 1       | —        | 1        | —        | —       | —       | 3        | 30       | 57       | 26      | 13       | 2        | 4        | —       | —        |
|                             | —           | —         | 1.9     | —        | 1.9      | —        | —       | —       | 5.6      | 55.9     | 106.1    | 48.4    | 24.2     | 3.7      | 7.4      | —       | —        |
| Pontypridd U.D. ... {       | —           | —         | —       | —        | —        | 17       | 32      | 35      | 16       | 9        | 5        | 2       | 1        | 1        | —        | 1       | 1        |
|                             | —           | —         | —       | —        | —        | 21.7     | 40.8    | 44.6    | 20.4     | 11.5     | 6.4      | 2.5     | 1.3      | 1.3      | —        | 1.3     | 1.3      |
| Rhondda U.D. ... {          | 1           | —         | 1       | —        | 8        | 18       | 32      | 57      | 47       | 42       | 40       | 28      | 18       | 10       | 4        | 1       | 2        |
|                             | 0.4         | —         | 0.4     | —        | 2.8      | 6.4      | 11.3    | 20.2    | 16.6     | 14.9     | 14.2     | 9.9     | 6.4      | 3.5      | 1.4      | 0.4     | 0.7      |
| Remainder of County ... {   | 2           | 4         | 5       | 12       | 21       | 60       | 89      | 73      | 80       | 88       | 78       | 38      | 22       | 12       | 13       | 8       | 8        |
|                             | 0.3         | 0.7       | 0.9     | 2.0      | 3.6      | 10.2     | 15.2    | 12.5    | 15.2     | 16.7     | 14.8     | 7.2     | 4.2      | 2.3      | 2.5      | 1.5     | 1.5      |
| MERIONETHSHIRE ... {        | 1           | 1         | —       | —        | 6        | 5        | 7       | 9       | 7        | 6        | 12       | 11      | 6        | 1        | —        | 4       | 2        |
|                             | 1.4         | 1.4       | —       | —        | 8.4      | 7.0      | 9.8     | 12.6    | 9.8      | 8.4      | 16.7     | 15.3    | 9.4      | 1.4      | —        | 5.6     | 2.8      |
| MONTGOMERYSHIRE {           | —           | —         | —       | 2        | 4        | 9        | 22      | 9       | 15       | 20       | 12       | 12      | 8        | 4        | 2        | 3       | 6        |
|                             | —           | —         | —       | 2.2      | 4.5      | 10.1     | 24.7    | 10.1    | 16.9     | 22.5     | 13.5     | 13.5    | 9.0      | 4.5      | 2.2      | 3.4     | 6.7      |
| PEMBROKESHIRE ... {         | 1           | —         | —       | 1        | 1        | 2        | 11      | 23      | 28       | 21       | 20       | 20      | 6        | 8        | 7        | 3       | 3        |
|                             | 0.6         | —         | —       | 0.6      | 0.6      | 1.3      | 7.0     | 14.6    | 17.7     | 13.3     | 12.7     | 12.7    | 1.8      | 5.1      | 4.4      | 1.9     | 1.9      |
| RADNORSHIRE ... {           | —           | —         | —       | —        | —        | 3        | 5       | 6       | 6        | 5        | 7        | 4       | 1        | —        | 1        | 2       | —        |
|                             | —           | —         | —       | —        | —        | 7.7      | 12.8    | 15.3    | 15.3     | 12.8     | 17.9     | 10.2    | 2.6      | —        | 2.6      | 5.1     | —        |



TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued*.

| Administrative Counties.         | Week ending |          |         |         |          |          |         |         |          |          |          |         |          |          |          |        |
|----------------------------------|-------------|----------|---------|---------|----------|----------|---------|---------|----------|----------|----------|---------|----------|----------|----------|--------|
|                                  | Jan. 18.    | Jan. 25. | Feb. 1. | Feb. 8. | Feb. 15. | Feb. 22. | Mar. 1. | Mar. 8. | Mar. 15. | Mar. 22. | Mar. 29. | Apl. 5. | Apl. 12. | Apl. 19. | Apl. 26. | May 3. |
| BEDFORDSHIRE.                    |             |          |         |         |          |          |         |         |          |          |          |         |          |          |          |        |
| Bedford M.B. ...                 | —           | —        | —       | 1       | 3        | 4        | 3       | 3       | 1        | 1        | —        | 3       | —        | 1        | —        | 2      |
| Luton M.B. ...                   | —           | —        | —       | 1.3     | 4.0      | 5.3      | 4.0     | 4.0     | 1.3      | 1.3      | —        | 4.0     | —        | 1.3      | —        | 2.7    |
| Remainder of County ...          | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Berkshire ...                    | 2           | 4        | 2       | 6       | 8        | 19       | 25      | 20      | 17       | 10       | 12       | 7       | 3        | 3        | 2        | —      |
| Buckinghamshire.                 | 0.6         | 1.2      | 0.6     | 1.8     | 2.4      | 5.8      | 7.6     | 6.1     | 5.2      | 3.0      | 3.6      | 2.1     | 0.9      | 0.9      | 0.6      | —      |
| Chepping Wycombe M.B.            | —           | —        | 1       | —       | —        | 4        | 1       | 2       | 2        | —        | 1        | —       | —        | —        | —        | —      |
| Remainder of County ...          | —           | —        | 2.6     | —       | —        | 10.2     | 2.6     | 5.1     | 5.1      | —        | 2.6      | —       | —        | —        | —        | —      |
| Cambridgeshire.                  | 2           | —        | 2       | 15      | 3        | 16       | 27      | 20      | 13       | 10       | 4        | 4       | 6        | 6        | 2        | 2      |
| Remainder of County ...          | 0.6         | —        | 0.6     | 4.2     | 0.8      | 4.4      | 7.5     | 5.5     | 3.6      | 2.8      | 1.1      | 1.1     | 1.7      | 1.7      | 0.6      | 0.6    |
| Cambridge M.B.                   | —           | —        | —       | —       | 3        | 5        | 7       | 6       | 3        | 5        | —        | 1       | —        | 1        | —        | —      |
| Remainder of County ...          | —           | —        | —       | —       | 3.0      | 5.0      | 7.0     | 6.0     | 3.0      | 5.0      | —        | 1.0     | —        | 1.0      | —        | —      |
| Cheshire.                        | 2           | —        | —       | —       | 2        | 2        | 4       | 3       | 5        | 5        | 10       | 1       | 8        | 3        | 2        | —      |
| Crewe M.B. ...                   | 1.6         | —        | —       | —       | 1.6      | 1.6      | 3.3     | 2.5     | 4.1      | 4.1      | 8.2      | 0.8     | 6.6      | 2.5      | 1.6      | —      |
| Hyde M.B. ...                    | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Macclesfield M.B.                | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Stalybridge M.B.                 | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Remainder of County ...          | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Cheshire.                        | 8           | 7        | 16      | 14      | 66       | 97       | 114     | 117     | 84       | 52       | 34       | 15      | 16       | 6        | 6        | 6      |
| Cornwall ...                     | 1.0         | 0.9      | 2.0     | 1.7     | 8.1      | 12.0     | 14.1    | 14.4    | 10.4     | 6.4      | 4.2      | 1.8     | 2.0      | 0.7      | 0.7      | —      |
| Cumberland.                      | 3           | 2        | 2       | 3       | 8        | 28       | 29      | 35      | 48       | 30       | 11       | 11      | 9        | 3        | 2        | 4      |
| Workington M.B.                  | 0.6         | 0.4      | 0.4     | 0.6     | 1.5      | 5.2      | 5.4     | 6.5     | 8.9      | 5.5      | 2.0      | 2.0     | 1.7      | 0.6      | 0.4      | 0.4    |
| Remainder of County ...          | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Derbyshire.                      | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Chesterfield M.B.                | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Glossop M.B. ...                 | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Ilkeston M.B. ...                | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Remainder of County ...          | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Devonshire.                      | 1           | 1        | 3       | 2       | 2        | 6        | 9       | 9       | 6        | 2        | —        | 1       | —        | 2        | —        | —      |
| Torquay M.B. ...                 | 1.5         | 1.5      | 4.4     | 2.9     | 2.9      | 8.7      | 13.1    | 13.1    | 8.7      | 2.9      | —        | 1.5     | —        | 2.9      | —        | —      |
| Remainder of County ...          | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Dorsetshire.                     | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Poole M.B. ...                   | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Weymouth and Melcombe Regis M.B. | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Remainder of County ...          | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Durham.                          | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Blaydon U.D. ...                 | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Felling U.D. ...                 | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Hartlepool M.B.                  | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Hebburn U.D. ...                 | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Jarrow M.B. ...                  | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Stanley U.D. ...                 | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Stockton-on-Tees M.B.            | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |
| Remainder of County ...          | —           | —        | —       | —       | —        | —        | —       | —       | —        | —        | —        | —       | —        | —        | —        | —      |

TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued*.

| Administrative Counties.   | Week ending |          |           |           |            |            |            |            |            |           |           |           |           |           |          |          |          |
|----------------------------|-------------|----------|-----------|-----------|------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|
|                            | Jan. 18.    | Jan. 25. | Feb. 1.   | Feb. 8.   | Feb. 15.   | Feb. 22.   | Mar. 1.    | Mar. 8.    | Mar. 15.   | Mar. 22.  | Mar. 29.  | Apl. 5.   | Apl. 12.  | Apl. 19.  | Apl. 26. | May 3.   | May 10.  |
| ELY, ISLE OF               | 1<br>0.8    | —        | —         | —         | —          | 4<br>3.3   | 3<br>2.5   | 10<br>8.2  | 5<br>4.1   | 4<br>3.3  | 4<br>3.3  | 2<br>1.6  | 2<br>1.6  | 1<br>0.8  | —        | —        | —        |
| ESSEX.                     |             |          |           |           |            |            |            |            |            |           |           |           |           |           |          |          |          |
| Barking Town U.D.          | 1<br>1.7    | 1<br>1.7 | 1<br>1.7  | 4<br>6.6  | 8<br>13.2  | 4<br>6.6   | 2<br>3.3   | 2<br>3.3   | 1<br>1.7   | 3<br>5.0  | —         | —         | 1<br>1.7  | 3<br>5.0  | —        | —        | 1<br>1.7 |
| Colchester M.B.            | 1<br>1.4    | 4<br>5.5 | 1<br>1.4  | 4<br>5.5  | 16<br>22.0 | 7<br>9.6   | 6<br>8.3   | 8<br>11.0  | 2<br>2.8   | 2<br>2.8  | 2<br>2.8  | —         | 1<br>1.4  | —         | —        | —        | —        |
| Ilford U.D.                | 1<br>0.7    | —        | 2<br>1.4  | 2<br>1.4  | 4<br>2.9   | 14<br>10.0 | 11<br>7.9  | 7<br>5.0   | 7<br>5.0   | 4<br>2.9  | 1<br>0.7  | 1<br>0.7  | 2<br>1.4  | 6<br>4.3  | 1<br>0.7 | —        | 2<br>1.4 |
| Leyton U.D.                | 1<br>0.5    | —        | 1<br>0.5  | —         | 13<br>6.3  | 17<br>8.2  | 27<br>13.0 | 21<br>10.1 | 5<br>2.4   | 5<br>2.4  | 5<br>2.4  | 1<br>0.5  | —         | 2<br>1.0  | 1<br>0.5 | —        | 1<br>0.5 |
| Walthamstow U.D.           | 1<br>0.5    | —        | 2<br>0.9  | 2<br>0.9  | 6<br>2.7   | 7<br>3.2   | 9<br>4.1   | 9<br>4.1   | 8<br>3.7   | 3<br>1.4  | 5<br>2.3  | 3<br>1.4  | 6<br>2.7  | 2<br>0.9  | 2<br>0.9 | —        | 1<br>0.5 |
| Remainder of County        | 9<br>1.1    | 8<br>1.0 | 15<br>1.9 | 15<br>1.9 | 25<br>3.2  | 38<br>4.8  | 47<br>6.0  | 36<br>4.6  | 31<br>3.9  | 19<br>2.4 | 13<br>1.6 | 8<br>1.0  | 14<br>1.8 | 3<br>0.4  | 5<br>0.6 | 2<br>0.3 | 2<br>0.3 |
| GLOUCESTERSHIRE.           |             |          |           |           |            |            |            |            |            |           |           |           |           |           |          |          |          |
| Cheltenham M.B.            | 1<br>1.2    | —        | —         | 2<br>2.4  | 3<br>3.7   | 4<br>4.9   | 8<br>9.8   | 5<br>6.1   | 6<br>7.3   | 2<br>2.4  | 1<br>1.2  | 3<br>3.7  | —         | 2<br>2.4  | 1<br>1.2 | 3<br>3.7 | —        |
| Remainder of County        | 9<br>1.9    | 4<br>0.8 | 3<br>0.6  | 11<br>2.3 | 7<br>1.5   | 23<br>4.8  | 39<br>8.1  | 38<br>7.9  | 26<br>5.4  | 22<br>4.6 | 17<br>3.5 | 15<br>3.1 | 14<br>2.9 | 11<br>2.3 | 8<br>1.7 | 5<br>1.0 | 2<br>0.4 |
| HEREFORDSHIRE.             |             |          |           |           |            |            |            |            |            |           |           |           |           |           |          |          |          |
| Hereford M.B.              | 1<br>2.2    | —        | —         | —         | —          | —          | —          | 1<br>2.2   | 1<br>2.2   | 2<br>4.3  | —         | 1<br>2.2  | 1<br>2.2  | —         | —        | 1<br>2.2 | —        |
| Remainder of County        | 3<br>2.0    | 1<br>0.7 | 3<br>2.0  | 3<br>2.0  | 7<br>4.6   | 12<br>7.9  | 16<br>10.6 | 10<br>6.6  | 6<br>4.0   | 8<br>5.3  | 3<br>2.0  | 4<br>2.6  | 5<br>3.3  | 3<br>2.0  | 2<br>1.3 | 1<br>0.7 | —        |
| HERTFORDSHIRE.             |             |          |           |           |            |            |            |            |            |           |           |           |           |           |          |          |          |
| St. Albans M.B.            | —           | —        | —         | —         | 2<br>4.5   | 4<br>8.9   | 8<br>17.9  | 6<br>13.4  | 5<br>11.2  | 2<br>4.5  | —         | 3<br>6.7  | —         | —         | 1<br>2.2 | —        | —        |
| Watford U.D.               | 1<br>1.2    | —        | 2<br>2.3  | 2<br>2.3  | 1<br>1.2   | 5<br>5.8   | 8<br>9.3   | 7<br>8.1   | 3<br>3.5   | 3<br>3.5  | 1<br>1.2  | —         | 3<br>3.5  | —         | 1<br>1.2 | —        | 1<br>1.2 |
| Remainder of County        | 3<br>0.7    | 6<br>1.4 | 4<br>0.9  | 6<br>1.4  | 5<br>1.1   | 18<br>4.1  | 28<br>6.3  | 25<br>5.7  | 24<br>5.4  | 13<br>2.9 | 12<br>2.7 | 3<br>0.7  | 6<br>1.4  | 4<br>0.9  | 2<br>0.5 | 2<br>0.5 | 2<br>0.5 |
| HUNTINGDONSHIRE            | —           | 1<br>1.0 | 1<br>1.0  | 1<br>1.0  | 6<br>6.2   | 2<br>2.1   | 5<br>5.1   | 6<br>6.2   | —          | 3<br>3.1  | 1<br>1.0  | 2<br>2.1  | —         | —         | —        | —        | —        |
| KENT.                      |             |          |           |           |            |            |            |            |            |           |           |           |           |           |          |          |          |
| Beckenham U.D.             | —           | —        | —         | —         | 4<br>7.1   | 10<br>17.7 | 6<br>10.6  | 7<br>12.4  | 7<br>12.4  | 2<br>3.5  | 1<br>1.8  | 2<br>3.5  | —         | —         | —        | 1<br>1.8 | 1<br>1.8 |
| Bromley M.B.               | —           | —        | —         | —         | 2<br>3.3   | 4<br>6.6   | 6<br>9.9   | 4<br>6.6   | 4<br>6.6   | 1<br>1.7  | —         | 1<br>1.7  | 2<br>3.3  | —         | —        | —        | —        |
| Chatham M.B.               | —           | 1<br>1.4 | —         | 1<br>1.4  | —          | 1<br>1.4   | 4<br>5.5   | 7<br>9.7   | 1<br>1.4   | 1<br>1.4  | —         | —         | —         | 1<br>1.4  | 1<br>1.4 | —        | —        |
| Dartford U.D.              | —           | 1<br>2.4 | —         | —         | 1<br>2.4   | 3<br>7.1   | 4<br>9.5   | 3<br>7.1   | —          | —         | 1<br>2.4  | —         | —         | 2<br>4.8  | —        | 2<br>4.8 | —        |
| Dover M.B.                 | 1<br>1.5    | —        | —         | —         | 3<br>4.5   | 4<br>6.0   | 8<br>12.1  | 5<br>9.0   | 5<br>7.5   | 2<br>3.0  | 1<br>1.5  | —         | —         | —         | —        | —        | —        |
| Erith U.D.                 | —           | 1<br>1.6 | —         | 1<br>1.6  | —          | 2<br>3.2   | 2<br>3.2   | 5<br>8.0   | 1<br>1.6   | 1<br>1.6  | —         | —         | 2<br>3.2  | 2<br>3.2  | —        | —        | —        |
| Folkestone M.B.            | 1<br>1.8    | —        | 1<br>1.8  | —         | 4<br>7.3   | 3<br>5.5   | 5<br>9.1   | 7<br>12.7  | 8<br>14.5  | —         | 1<br>1.8  | —         | 2<br>3.6  | —         | —        | —        | —        |
| Gillingham M.B.            | —           | —        | —         | —         | 3<br>3.6   | 4<br>4.8   | 2<br>2.4   | 4<br>4.8   | 3<br>3.6   | 2<br>2.4  | 1<br>1.8  | 1<br>1.8  | —         | 1<br>1.8  | 1<br>1.8 | 1<br>1.8 | —        |
| Gravesend M.B.             | —           | —        | —         | 1<br>1.9  | 3<br>5.6   | 2<br>3.8   | 9<br>16.9  | 1<br>1.9   | —          | 1<br>1.9  | 1<br>1.9  | —         | —         | —         | —        | —        | —        |
| Maidstone M.B.             | —           | —        | —         | 1<br>1.7  | 3<br>5.1   | 7<br>11.9  | 13<br>22.1 | 4<br>6.8   | —          | 2<br>3.4  | —         | 1<br>1.7  | 1<br>1.7  | —         | —        | —        | —        |
| Margate M.B.               | 1<br>3.0    | —        | —         | —         | —          | 4<br>12.2  | 5<br>15.2  | —          | —          | —         | —         | 3<br>3.0  | —         | —         | 1<br>3.0 | —        | —        |
| Penge U.D.                 | —           | —        | —         | —         | —          | 4<br>9.2   | 5<br>11.5  | 3<br>6.9   | —          | 3<br>6.9  | 1<br>2.3  | 1<br>2.3  | 2<br>4.6  | 1<br>2.3  | —        | —        | —        |
| Ramsgate M.B.              | —           | —        | —         | 1<br>2.7  | 2<br>5.3   | 3<br>8.0   | 7<br>18.7  | 1<br>2.7   | 1<br>2.7   | 2<br>5.3  | —         | 1<br>2.7  | —         | —         | 1<br>2.7 | —        | —        |
| Rochester M.B.             | —           | 1<br>1.8 | —         | —         | 3<br>5.5   | 10<br>18.4 | 5<br>9.2   | 15<br>27.6 | 5<br>9.2   | 3<br>5.5  | —         | 1<br>1.8  | 1<br>1.8  | —         | —        | —        | —        |
| Royal Tunbridge Wells M.B. | —           | —        | 2<br>3.2  | 1<br>1.6  | —          | 6<br>9.7   | 4<br>6.5   | 3<br>4.8   | 2<br>3.2   | 2<br>3.2  | 2<br>3.2  | 1<br>1.6  | —         | 1<br>1.6  | 3<br>3.2 | —        | 1<br>1.6 |
| Remainder of County        | 5<br>0.5    | 7<br>0.8 | 6<br>0.7  | 5<br>0.5  | 18<br>2.0  | 65<br>7.1  | 64<br>7.0  | 64<br>7.0  | 35<br>3.8  | 22<br>2.4 | 26<br>2.9 | 10<br>1.1 | 15<br>1.6 | 9<br>1.0  | 7<br>0.8 | 4<br>0.4 | 2<br>0.2 |
| LANCASHIRE.                |             |          |           |           |            |            |            |            |            |           |           |           |           |           |          |          |          |
| Accrington M.B.            | —           | —        | 2<br>2.6  | —         | —          | 2<br>2.6   | 7<br>9.2   | 10<br>13.1 | 15<br>19.6 | 8<br>10.5 | 9<br>11.8 | 2<br>2.6  | 3<br>3.9  | 3<br>3.9  | 5<br>6.5 | —        | 1<br>1.3 |
| Ashton-in-Makerfield U.D.  | —           | 1<br>2.6 | 1<br>2.6  | —         | 7<br>17.9  | 8<br>20.4  | 5<br>12.8  | 1<br>2.6   | 1<br>2.6   | 1<br>2.6  | —         | —         | 1<br>2.6  | —         | —        | —        | —        |
| Ashton-under-Lyne M.B.     | —           | —        | 1<br>1.3  | 2<br>2.6  | 7<br>9.2   | 11<br>14.5 | 11<br>14.5 | 22<br>28.9 | 6<br>7.9   | 6<br>7.9  | 3<br>3.9  | 1<br>1.3  | 1<br>1.3  | 2<br>2.6  | —        | —        | —        |
| Bacup M.B.                 | 1<br>2.8    | 1<br>2.8 | —         | 1<br>2.8  | 2<br>5.6   | —          | 6<br>16.7  | 2<br>5.6   | 2<br>5.6   | 2<br>5.6  | —         | 5<br>5.6  | —         | —         | —        | 1<br>2.8 | —        |



TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued*.

| Administrative Counties.           | Week ending |          |         |         |          |          |         |         |          |          |          |         |          |          |          |        |         |
|------------------------------------|-------------|----------|---------|---------|----------|----------|---------|---------|----------|----------|----------|---------|----------|----------|----------|--------|---------|
|                                    | Jan. 18.    | Jan. 25. | Feb. 1. | Feb. 8. | Feb. 15. | Feb. 22. | Mar. 1. | Mar. 8. | Mar. 15. | Mar. 22. | Mar. 29. | Apl. 5. | Apl. 12. | Apl. 19. | Apl. 26. | May 3. | May 10. |
| LANCASHIRE— <i>cont.</i>           |             |          |         |         |          |          |         |         |          |          |          |         |          |          |          |        |         |
| Chadderton U.D. ...                | —           | —        | —       | —       | 2        | 6        | 9       | 7       | 3        | 1        | 5        | —       | —        | 2        | 2        | —      | —       |
| Chorley M.B. ...                   | —           | —        | 1       | —       | 4.2      | 12.5     | 18.7    | 14.6    | 6.2      | 2.1      | 10.4     | —       | —        | 4.2      | 4.2      | —      | —       |
| Colne M.B. ...                     | —           | —        | 1.7     | —       | 3.4      | 3.4      | 3.4     | 17.0    | 10.2     | 17.0     | 5.1      | 3.4     | 3.4      | 1.7      | 3.4      | —      | —       |
| Darwen M.B. ...                    | —           | —        | —       | —       | 1        | 2        | —       | 2       | 3        | —        | —        | —       | —        | 1        | —        | —      | —       |
| Eccles M.B. ...                    | —           | 1        | 2       | —       | 2.4      | 4.9      | —       | 4.9     | 7.3      | —        | —        | —       | 2.4      | 2.4      | —        | —      | —       |
| Farnworth U.D. ...                 | —           | 1.6      | 3.2     | —       | 1.6      | 3.2      | 15.9    | 15.9    | 4.8      | 7.9      | 1.6      | 1.6     | 1.6      | —        | —        | —      | —       |
| Heywood M.B. ...                   | —           | —        | —       | 1       | 2        | 2        | 8       | 6       | 3        | 2        | 3        | 5       | —        | —        | —        | —      | 1       |
| Hindley U.D. ...                   | —           | —        | 1       | —       | 1.3      | 2.6      | 2.6     | 10.5    | 7.9      | 3.9      | 2.6      | 3.9     | 6.6      | —        | —        | —      | 1.3     |
| Ince-in-Makerfield U.D. ...        | —           | —        | 2.2     | —       | 19.6     | 47.9     | 30.5    | 15.3    | 2.2      | 10.9     | —        | 4.4     | 2.2      | 2.2      | 2.2      | —      | —       |
| Lancaster M.B. ...                 | 1           | —        | 1       | —       | 1        | 5        | —       | 3       | 1        | 2        | 2        | 1       | —        | 1        | 2        | —      | —       |
| Leigh M.B. ...                     | 2.4         | —        | 2.4     | —       | 2.4      | 11.9     | —       | 7.1     | 2.4      | 4.8      | 4.8      | 2.4     | —        | 2.4      | 4.8      | —      | —       |
| Middleton M.B. ...                 | —           | —        | 2.4     | —       | 7.1      | 7.1      | 14.2    | 7.1     | 4.7      | 14.2     | 9.5      | 2.4     | —        | 7.1      | 7.1      | 4.7    | 2.4     |
| Nelson M.B. ...                    | 1           | 1        | 3       | 4       | 7        | 1        | 1       | 3       | 4        | 1        | —        | 2       | —        | —        | —        | —      | —       |
| Radcliffe U.D. ...                 | 2.5         | 2.5      | 7.6     | 10.1    | 17.7     | 2.5      | 2.5     | 7.6     | 10.1     | 2.5      | —        | 5.1     | —        | —        | —        | —      | —       |
| Rawtenstall M.B. ...               | —           | —        | —       | —       | 5        | 5        | 6       | 5       | 4        | 2        | 1        | 1       | —        | —        | —        | 1      | —       |
| Stretford U.D. ...                 | —           | 1.3      | —       | —       | 6.6      | 6.6      | 7.9     | 6.6     | 5.3      | 2.6      | 1.3      | 1.3     | —        | —        | —        | 1.3    | —       |
| Swinton and Pendlebury U.D. ...    | 2           | 3        | 3       | 12      | 23       | 14       | 13      | 7       | 7        | 1        | 1        | —       | —        | —        | —        | —      | —       |
| Waterloo with Seaforth U.D. ...    | 2.5         | 3.8      | 3.8     | 15.2    | 29.0     | 17.7     | 16.4    | 8.8     | 8.8      | 1.3      | 1.3      | —       | 1.3      | —        | —        | 1.3    | —       |
| Widnes M.B. ...                    | 1           | 1        | —       | 2       | 3        | 6        | 6       | 6       | 3        | —        | 1        | 1       | 1        | —        | —        | —      | —       |
| Remainder of County ...            | 2.0         | 2.0      | —       | 4.1     | 6.1      | 12.3     | 12.3    | 12.3    | 6.1      | —        | 2.0      | 2.0     | 2.0      | —        | —        | —      | —       |
| LEICESTERSHIRE.                    |             |          |         |         |          |          |         |         |          |          |          |         |          |          |          |        |         |
| Loughborough M.B. ...              | —           | —        | —       | —       | —        | 4        | 3       | 2       | 5        | 3        | —        | 2       | 2        | —        | —        | —      | —       |
| Remainder of County ...            | 1           | 6        | 2       | 9       | 14       | 13       | 38      | 25      | 27       | 7.1      | —        | 4.7     | 4.7      | —        | —        | —      | —       |
| LINCOLNSHIRE (Parts of Holland).   |             |          |         |         |          |          |         |         |          |          |          |         |          |          |          |        |         |
| Grantham M.B. ...                  | 0.7         | —        | 0.7     | 0.7     | 0.7      | 6.8      | 9.5     | 6.1     | 4.1      | 1.4      | 2.7      | —       | 1.4      | 1.4      | —        | —      | —       |
| Remainder of County ...            | 1           | 2        | —       | —       | 1        | 3        | 3       | 1       | 2        | —        | 1        | —       | —        | —        | —        | —      | —       |
| LINCOLNSHIRE (Parts of Kesteven).  |             |          |         |         |          |          |         |         |          |          |          |         |          |          |          |        |         |
| Cleethorpe with Thurnscoe U.D. ... | 2.6         | 5.1      | —       | —       | 2.6      | 7.7      | 7.7     | 2.6     | 5.1      | —        | 2.6      | —       | —        | —        | —        | —      | —       |
| Gainsborough U.D. ...              | 2           | 1        | —       | —       | 3        | 12       | 12      | 3       | 5        | 7        | 7        | 3       | 5        | 2        | 3        | 1      | —       |
| Remainder of County ...            | 1.2         | 0.6      | —       | —       | 1.8      | 7.3      | 7.3     | 1.8     | 3.1      | 4.3      | 4.3      | 1.8     | 3.1      | 1.2      | 1.8      | 0.6    | —       |
| LINCOLNSHIRE (Parts of Lindsey).   |             |          |         |         |          |          |         |         |          |          |          |         |          |          |          |        |         |
| Cleethorpe with Thurnscoe U.D. ... | —           | 1        | —       | 2       | —        | 2        | 6       | 7       | 4        | 1        | 3        | 1       | 2        | 3        | 1        | 1      | —       |
| Gainsborough U.D. ...              | —           | 2.2      | —       | 4.4     | —        | 4.4      | 13.2    | 15.5    | 8.8      | 2.2      | 6.6      | 2.2     | 4.4      | 6.6      | 2.2      | 2.2    | —       |
| Remainder of County ...            | 7           | 4        | 8       | 7       | 11       | 19       | 16      | 18      | 32       | 26       | 13       | 12      | 1        | 5        | 5        | 5      | 3       |
| LONDON                             |             |          |         |         |          |          |         |         |          |          |          |         |          |          |          |        |         |
| Acton U.D. ...                     | 44          | 36       | 68      | 123     | 368      | 729      | 825     | 590     | 359      | 216      | 119      | 106     | 91       | 81       | 44       | 40     | 27      |
| Chiswick U.D. ...                  | 0.6         | 0.5      | 0.9     | 1.6     | 4.9      | 9.6      | 10.9    | 7.8     | 4.7      | 2.8      | 1.6      | 1.4     | 1.2      | 1.1      | 0.6      | 0.5    | 0.4     |
| MIDDLESEX.                         |             |          |         |         |          |          |         |         |          |          |          |         |          |          |          |        |         |
| Acton U.D. ...                     | —           | 1        | —       | 2       | 6        | 8        | 6       | 4       | —        | 2        | 1        | —       | 1        | —        | 1        | 2      | —       |
| Chiswick U.D. ...                  | —           | 0.9      | —       | 1.8     | 5.5      | 7.3      | 5.5     | 3.6     | —        | 1.8      | 0.9      | —       | 0.9      | —        | 0.9      | 1.8    | —       |
| Haling M.B. ...                    | —           | —        | —       | —       | 3        | 5        | 8       | 5       | 5        | 1        | 2        | 1       | 1        | —        | —        | 2      | —       |
| Edmonton U.D. ...                  | —           | —        | —       | —       | 3.9      | 6.5      | 10.4    | 6.5     | 6.5      | 1.3      | 2.6      | 1.3     | 1.3      | —        | —        | 2.6    | —       |
| Enfield U.D. ...                   | —           | 1        | —       | —       | 8        | 12       | 16      | 3       | 8        | 7        | 3        | —       | 3        | 3        | 1        | —      | —       |
| Finchley U.D. ...                  | —           | 0.8      | —       | —       | 6.5      | 9.7      | 12.9    | 2.4     | 6.5      | 5.7      | 2.4      | —       | 2.4      | 2.4      | 0.8      | —      | —       |
| —                                  | 4           | 1        | —       | 5       | 7        | 10       | 9       | 3       | 6        | 3        | 1        | 5       | —        | 1        | —        | —      | 2       |
| —                                  | 3.3         | 0.8      | —       | 4.1     | 5.7      | 8.2      | 7.4     | 2.5     | 4.9      | 2.5      | 0.8      | 4.1     | —        | 0.8      | —        | —      | 1.6     |
| —                                  | —           | —        | 1       | 1       | 1        | 11       | 6       | 5       | 4        | 6        | 2        | 1       | 1        | —        | —        | —      | —       |
| —                                  | —           | —        | 1.0     | 1.0     | 1.0      | 10.5     | 5.7     | 4.8     | 3.8      | 5.7      | 1.9      | 1.0     | 1.0      | —        | —        | —      | —       |
| —                                  | —           | 1        | —       | 4       | 6        | 8        | 4       | 6       | 2        | 3        | —        | 2       | —        | —        | —        | 1      | —       |
| —                                  | —           | 1.2      | —       | 4.8     | 7.2      | 9.7      | 4.8     | 7.2     | 2.4      | 3.6      | —        | 2.4     | —        | —        | —        | 1.2    | —       |

TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued*.

| Administrative Counties.  | Week ending |          |         |         |          |          |         |         |          |          |          |         |          |          |          |        |         |
|---------------------------|-------------|----------|---------|---------|----------|----------|---------|---------|----------|----------|----------|---------|----------|----------|----------|--------|---------|
|                           | Jan. 18.    | Jan. 25. | Feb. 1. | Feb. 8. | Feb. 15. | Feb. 22. | Mar. 1. | Mar. 8. | Mar. 15. | Mar. 22. | Mar. 29. | Apl. 5. | Apl. 12. | Apl. 19. | Apl. 26. | May 3. | May 10. |
| MIDDLESEX—cont.           |             |          |         |         |          |          |         |         |          |          |          |         |          |          |          |        |         |
| Hendon U.D. ...           | —           | —        | —       | —       | 2        | 6        | 11      | 6       | 1        | —        | 1        | —       | —        | 1        | —        | —      | 1       |
| Hendon and Isleworth U.D. | 1           | —        | —       | —       | 2.1      | 6.3      | 11.5    | 6.3     | 1.0      | —        | 1.0      | —       | —        | 1.0      | —        | —      | 1.0     |
| Hornsey M.B. ...          | 1.4         | —        | —       | —       | 4        | 5        | 4       | 7       | 1        | 2        | —        | —       | 1        | 3        | 1        | —      | —       |
| Hornsey M.B. ...          | —           | 1        | 1       | 2       | 9        | 20       | 19      | 13      | 4        | 4        | 2        | 2       | 3        | 2        | 1        | 1      | —       |
| Hornsey M.B. ...          | —           | 0.7      | 0.7     | 1.3     | 5.9      | 13.2     | 12.5    | 8.6     | 2.6      | 2.6      | 1.3      | 1.3     | 2.0      | 1.3      | 0.7      | 0.7    | —       |
| Southall Norwood U.D.     | —           | —        | —       | —       | 1        | 1        | 4       | 1       | 3        | 1        | 2        | 1       | —        | —        | 1        | —      | —       |
| Southall Norwood U.D.     | —           | —        | —       | —       | 1.8      | 1.8      | 7.0     | 1.8     | 5.3      | 1.8      | 3.5      | 1.8     | —        | —        | 1.8      | —      | —       |
| Southgate U.D.            | —           | —        | 1       | 4       | 2        | 7        | 13      | 4       | 7        | 4        | 2        | 3       | 1        | —        | 1        | —      | —       |
| Southgate U.D.            | —           | —        | 1.5     | 5.9     | 2.9      | 10.3     | 19.2    | 5.9     | 10.3     | 5.9      | 2.9      | 4.4     | 1.5      | —        | 1.5      | —      | —       |
| Tottenham U.D.            | 3           | 1        | —       | 4       | 5        | 17       | 15      | 26      | 16       | 7        | 5        | 2       | 1        | 5        | 1        | 2      | 1       |
| Tottenham U.D.            | 1.1         | 0.4      | —       | 1.5     | 1.9      | 6.3      | 5.6     | 9.7     | 6.0      | 2.6      | 1.9      | 0.7     | 0.4      | 1.9      | 0.4      | 0.7    | 0.4     |
| Twickenham U.D.           | —           | —        | —       | —       | 5        | 6        | 10      | —       | 2        | 1        | 1        | 1       | —        | —        | 1        | —      | —       |
| Twickenham U.D.           | —           | —        | —       | —       | 7.6      | 9.1      | 15.2    | —       | 3.0      | 1.5      | 1.5      | 1.5     | —        | —        | 1.5      | —      | —       |
| Willesden U.D....         | 3           | 2        | 2       | 2       | 8        | 24       | 21      | 9       | 5        | 5        | 5        | 2       | 2        | 1        | —        | 1      | 2       |
| Willesden U.D....         | 1.0         | 0.7      | 0.7     | 0.7     | 2.8      | 8.3      | 7.3     | 3.1     | 1.7      | 1.7      | 1.7      | 0.7     | 0.7      | 0.3      | —        | 0.3    | 0.7     |
| Wood Green U.D.           | —           | 1        | —       | 2       | 6        | 6        | 8       | 18      | 12       | 3        | 4        | 2       | 1        | 1        | —        | 2      | —       |
| Wood Green U.D.           | —           | 1.1      | —       | 2.2     | 6.5      | 6.5      | 8.7     | 19.6    | 13.1     | 3.3      | 4.4      | 2.2     | 1.1      | 1.1      | —        | 2.2    | —       |
| Remainder of County...    | 5           | 2        | 2       | 3       | 15       | 24       | 31      | 30      | 11       | 13       | 2        | 5       | 8        | 6        | 3        | 1      | 1       |
| Remainder of County...    | 1.2         | 0.5      | 0.5     | 0.7     | 3.6      | 5.7      | 7.4     | 7.1     | 2.6      | 3.1      | 0.5      | 1.2     | 1.9      | 1.4      | 0.7      | 0.2    | 0.2     |
| MONMOUTHSHIRE.            |             |          |         |         |          |          |         |         |          |          |          |         |          |          |          |        |         |
| Abersychan U.D. ...       | 1           | —        | —       | —       | —        | 1        | —       | —       | 1        | 2        | 1        | 1       | 1        | —        | 1        | —      | —       |
| Abersychan U.D. ...       | 2.1         | —        | —       | —       | —        | 2.1      | —       | —       | 2.1      | 4.2      | 2.1      | 2.1     | 2.1      | —        | 2.1      | —      | —       |
| Abertillery U.D.          | —           | —        | —       | 1       | —        | —        | 3       | 2       | 3        | 1        | 3        | —       | —        | 2        | —        | 5      | 1       |
| Abertillery U.D.          | —           | —        | —       | 1.4     | —        | —        | 4.3     | 2.9     | 4.3      | 1.4      | 4.3      | —       | —        | 2.9      | —        | 7.2    | 1.4     |
| Bedwellty U.D.            | 2           | 2        | —       | 1       | 2        | 5        | 1       | 1       | 3        | 1        | 3        | 3       | —        | 2        | 1        | 2      | —       |
| Bedwellty U.D.            | 3.7         | 3.7      | —       | 1.9     | 3.7      | 9.3      | 1.9     | 1.9     | 5.6      | 1.9      | 5.6      | 5.6     | —        | 3.7      | 1.9      | 3.7    | —       |
| Ebbw Vale U.D.            | —           | —        | 1       | 1       | —        | —        | 2       | 5       | 6        | 7        | 4        | 3       | 1        | 1        | 1        | —      | —       |
| Ebbw Vale U.D.            | —           | —        | 1.5     | 1.5     | —        | —        | 2.9     | 7.3     | 7.3      | 10.2     | 5.8      | 4.4     | 1.5      | 1.5      | 1.5      | —      | —       |
| Tredegar U.D. ...         | —           | —        | —       | 1       | —        | 1        | 1       | 6       | —        | —        | 4        | —       | —        | —        | 1        | 2      | —       |
| Tredegar U.D. ...         | —           | —        | —       | 2.3     | —        | 2.3      | 2.3     | 13.7    | —        | —        | 9.1      | —       | —        | —        | 2.3      | 4.6    | —       |
| Remainder of County...    | 4           | —        | 2       | 3       | 9        | 12       | 22      | 22      | 22       | 18       | 15       | 10      | 9        | 7        | 3        | 3      | 2       |
| Remainder of County...    | 1.2         | —        | 0.6     | 0.9     | 2.7      | 3.6      | 6.6     | 6.6     | 6.6      | 5.4      | 4.5      | 3.0     | 2.7      | 2.1      | 1.0      | 1.0    | 0.6     |
| NORFOLK.                  |             |          |         |         |          |          |         |         |          |          |          |         |          |          |          |        |         |
| King's Lynn M.B. ...      | —           | —        | —       | —       | —        | 1        | 2       | 2       | 2        | —        | —        | —       | —        | —        | —        | —      | —       |
| King's Lynn M.B. ...      | —           | —        | —       | —       | —        | 2.9      | 5.8     | 5.8     | 5.8      | —        | —        | —       | —        | —        | —        | —      | —       |
| Remainder of County...    | 2           | 5        | 7       | 6       | 7        | 16       | 23      | 29      | 30       | 26       | 20       | 9       | 10       | 8        | 4        | 6      | 6       |
| Remainder of County...    | 0.4         | 1.0      | 1.4     | 1.2     | 1.4      | 3.2      | 4.5     | 5.7     | 5.9      | 5.1      | 4.0      | 1.8     | 2.0      | 1.6      | 0.8      | 1.2    | 1.2     |
| NORTHAMPTONSHIRE.         |             |          |         |         |          |          |         |         |          |          |          |         |          |          |          |        |         |
| Kettering U.D....         | 3           | —        | —       | 1       | —        | 3        | 24      | 18      | 5        | 2        | 1        | —       | 1        | 2        | —        | —      | —       |
| Kettering U.D....         | 5.5         | —        | —       | 1.8     | —        | 5.5      | 44.1    | 33.1    | 9.2      | 3.7      | 1.8      | —       | 1.8      | 3.7      | —        | —      | —       |
| Remainder of County...    | 2           | —        | 1       | 2       | 7        | 7        | 21      | 30      | 30       | 26       | 16       | 2       | 4        | 4        | 4        | 1      | 1       |
| Remainder of County...    | 0.6         | —        | 0.3     | 0.6     | 2.2      | 2.2      | 6.7     | 9.5     | 9.5      | 8.3      | 5.1      | 0.6     | 1.3      | 1.3      | 1.3      | 0.3    | 0.3     |
| NORTHUMBERLAND.           |             |          |         |         |          |          |         |         |          |          |          |         |          |          |          |        |         |
| Ashington U.D.            | —           | —        | —       | —       | 3        | 5        | 8       | 4       | 4        | 1        | —        | —       | —        | 1        | 1        | —      | 1       |
| Ashington U.D.            | —           | —        | —       | —       | 6.3      | 10.4     | 16.7    | 8.4     | 8.4      | 2.1      | —        | —       | —        | 2.1      | 2.1      | —      | 2.1     |
| Bedlingtonshire U.D. ...  | —           | —        | —       | 2       | 6        | 11       | 7       | 6       | 2        | 1        | 1        | —       | —        | 1        | —        | —      | —       |
| Bedlingtonshire U.D. ...  | —           | —        | —       | 4.5     | 13.5     | 24.8     | 15.8    | 13.5    | 4.5      | 2.3      | 2.3      | —       | —        | 2.3      | —        | —      | —       |
| Blyth U.D. ...            | 1           | 1        | —       | —       | 14       | 15       | 11      | 3       | 1        | 3        | —        | 1       | 1        | —        | —        | —      | —       |
| Blyth U.D. ...            | 1.9         | 1.9      | —       | —       | 26.1     | 28.0     | 20.5    | 5.6     | 1.9      | 5.6      | —        | 1.9     | 1.9      | —        | —        | —      | —       |
| Wallsend M.B. ...         | 1           | —        | 3       | 9       | 10       | 11       | 13      | 16      | 10       | 4        | —        | —       | 2        | —        | 1        | —      | 1       |
| Wallsend M.B. ...         | 1.2         | —        | 3.6     | 10.8    | 12.0     | 13.2     | 15.6    | 19.1    | 12.0     | 4.8      | —        | —       | 2.4      | —        | 1.2      | —      | 1.2     |
| Remainder of County...    | 4           | 2        | 2       | 6       | 23       | 37       | 59      | 40      | 36       | 17       | 11       | 9       | 6        | 6        | 2        | 2      | 1       |
| Remainder of County...    | 0.9         | 0.4      | 0.4     | 1.3     | 5.1      | 8.2      | 13.1    | 8.9     | 8.0      | 3.6      | 2.4      | 2.0     | 1.3      | 1.3      | 0.4      | 0.4    | 0.2     |
| NOTTINGHAMSHIRE.          |             |          |         |         |          |          |         |         |          |          |          |         |          |          |          |        |         |
| Mansfield M.B. ...        | 2           | 1        | 1       | 1       | 2        | 3        | 2       | 3       | 3        | 5        | —        | —       | —        | —        | —        | —      | —       |
| Mansfield M.B. ...        | 2.7         | 1.3      | 1.3     | 1.3     | 2.7      | 4.0      | 2.7     | 4.0     | 4.0      | 6.7      | —        | —       | —        | —        | —        | —      | —       |
| Sutton-in-Ashfield U.D.   | —           | —        | —       | 1       | —        | 2        | 3       | —       | 1        | —        | 1        | 1       | —        | 2        | 1        | —      | —       |
| Sutton-in-Ashfield U.D.   | —           | —        | —       | 2.4     | —        | 4.8      | 7.2     | —       | 2.4      | —        | 2.4      | 2.4     | —        | 4.8      | 2.4      | —      | —       |
| Worksop U.D. ...          | —           | —        | 1       | 1       | —        | —        | —       | —       | —        | —        | 1        | 1       | —        | —        | 2        | —      | —       |
| Worksop U.D. ...          | —           | —        | 2.5     | 2.5     | —        | —        | —       | —       | —        | —        | 2.5      | 2.5     | —        | —        | 5.1      | —      | —       |
| Remainder of County...    | 7           | 3        | 3       | 4       | 12       | 29       | 45      | 53      | 41       | 26       | 20       | 8       | 15       | 4        | 5        | 3      | 1       |
| Remainder of County...    | 1.4         | 0.6      | 0.6     | 0.8     | 2.4      | 5.8      | 9.1     | 10.7    | 8.3      | 5.2      | 4.0      | 1.6     | 3.0      | 0.8      | 1.0      | 0.6    | 0.2     |
| OXFORDSHIRE               | 3           | 1        | —       | 1       | 5        | 19       | 19      | 23      | 9        | 13       | 5        | 4       | 1        | 3        | 2        | 2      | 1       |
| OXFORDSHIRE               | 1.3         | 0.4      | —       | 0.4     | 2.2      | 8.3      | 8.3     | 10.1    | 3.9      | 5.7      | 2.2      | 1.7     | 0.4      | 1.3      | 0.9      | 0.9    | 0.4     |
| PETERBOROUGH, SOKE OF.    |             |          |         |         |          |          |         |         |          |          |          |         |          |          |          |        |         |
| Peterborough M.B. ...     | —           | —        | —       | 1       | 4        | 6        | 5       | 8       | 5        | 1        | —        | 3       | —        | —        | —        | 2      | 1       |
| Peterborough M.B. ...     | —           | —        | —       | 1.5     | 5.9      | 8.8      | 7.4     | 11.8    | 7.4      | 1.5      | —        | 4.4     | —        | —        | —        | 2.9    | 1.5     |
| Remainder of County...    | —           | —        | —       | —       | —        | —        | 1       | 3       | 2        | —        | —        | —       | —        | —        | —        | —      | 1       |
| Remainder of County...    | —           | —        | —       | —       | —        | —        | 5.0     | 14.9    | 9.9      | —        | —        | —       | —        | —        | —        | —      | 5.0     |
| RUTLANDSHIRE              | 1           | —        | —       | 1       | —        | 1        | 3       | —       | —        | —        | 1        | 1       | —        | —        | 1        | 1      | —       |
| RUTLANDSHIRE              | 3.0         | —        | —       | 3.0     | —        | 3.0      | 8.9     | —       | —        | —        | 3.0      | 3.0     | —        | —        | 3.0      | 3.0    | —       |



TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued*.

| Administrative<br>Counties.    | Week ending |          |           |           |            |            |            |            |            |           |           |           |           |           |           |          |          |
|--------------------------------|-------------|----------|-----------|-----------|------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|
|                                | Jan. 18.    | Jan. 25. | Feb. 1.   | Feb. 8.   | Feb. 15.   | Feb. 22.   | Mar. 1.    | Mar. 8.    | Mar. 15.   | Mar. 22.  | Mar. 29.  | Apl. 5.   | Apl. 12.  | Apl. 19.  | Apl. 26.  | May 3.   | May 10.  |
| SHROPSHIRE.                    |             |          |           |           |            |            |            |            |            |           |           |           |           |           |           |          |          |
| Shrewsbury M.B. ...            | 2<br>3.8    | —        | 2<br>3.8  | —         | 3<br>5.6   | 5<br>9.4   | 8<br>15.1  | 8<br>15.1  | 7<br>13.2  | 3<br>5.6  | 3<br>5.6  | 3<br>5.6  | 2<br>3.8  | 2<br>3.8  | —         | 1<br>1.9 | —        |
| Remainder of County ...        | 6<br>1.7    | 5<br>1.4 | —         | 9<br>2.5  | 20<br>5.6  | 40<br>11.1 | 57<br>15.8 | 41<br>11.4 | 37<br>10.3 | 27<br>7.5 | 22<br>6.1 | 11<br>3.1 | 8<br>2.2  | 4<br>1.7  | 12<br>3.3 | 4<br>1.7 | 6<br>1.7 |
| SOMERSETSHIRE.                 |             |          |           |           |            |            |            |            |            |           |           |           |           |           |           |          |          |
| Taunton M.B. ...               | —           | —        | —         | 2<br>5.3  | —          | 1<br>2.7   | 1<br>2.7   | 2<br>5.3   | 2<br>5.3   | —         | —         | 1<br>2.7  | —         | 1<br>2.7  | —         | —        | —        |
| Weston-super-Mare U.D.         | 1<br>2.3    | —        | —         | —         | —          | 4<br>9.1   | 3<br>6.8   | —          | 4<br>9.1   | —         | 1<br>2.3  | —         | —         | —         | 1<br>2.3  | —        | —        |
| Remainder of County ...        | 9<br>1.6    | 5<br>0.9 | 10<br>1.7 | 8<br>1.4  | 36<br>6.3  | 47<br>8.2  | 49<br>8.5  | 59<br>10.3 | 39<br>6.8  | 22<br>3.8 | 21<br>3.7 | 12<br>2.1 | 10<br>1.7 | 7<br>1.2  | 3<br>0.5  | 6<br>1.0 | 4<br>0.7 |
| SOUTHAMPTON.                   |             |          |           |           |            |            |            |            |            |           |           |           |           |           |           |          |          |
| Aldershot U.D....              | —           | —        | —         | —         | 5<br>12.2  | 1<br>2.4   | 6<br>14.6  | 5<br>12.2  | 2<br>4.9   | 2<br>4.9  | —         | —         | —         | —         | —         | —        | —        |
| Gosport and<br>Alverstoke U.D. | —           | 1<br>1.9 | —         | —         | 1<br>1.9   | 4<br>7.5   | 8<br>15.0  | 6<br>11.2  | 2<br>3.7   | 2<br>3.7  | 1<br>1.9  | 1<br>1.9  | —         | 2<br>3.7  | —         | —        | —        |
| Winchester M.B. ...            | —           | —        | —         | —         | —          | 6<br>13.8  | 3<br>6.9   | 2<br>4.6   | 2<br>4.6   | 1<br>2.3  | —         | 1<br>2.3  | —         | —         | —         | —        | —        |
| Remainder of County ...        | 6<br>1.0    | 3<br>0.5 | 8<br>1.3  | 8<br>1.3  | 27<br>4.5  | 45<br>7.5  | 58<br>9.7  | 58<br>9.7  | 30<br>5.0  | 14<br>2.3 | 4<br>0.7  | 6<br>1.0  | 5<br>0.8  | 8<br>1.3  | 3<br>0.5  | 2<br>0.3 | 1<br>0.2 |
| STAFFORDSHIRE.                 |             |          |           |           |            |            |            |            |            |           |           |           |           |           |           |          |          |
| Bilston U.D. ...               | —           | 1<br>2.3 | —         | —         | —          | 6<br>13.5  | 6<br>13.5  | 7<br>15.8  | 4<br>9.0   | 3<br>6.8  | —         | —         | 1<br>2.3  | —         | —         | —        | 1<br>2.3 |
| Cannock U.D. ...               | 1<br>1.8    | 2<br>3.6 | 6<br>10.9 | 1<br>1.8  | 6<br>10.9  | 1<br>1.8   | 1<br>1.8   | 1<br>3.6   | 2<br>5.4   | 3<br>5.4  | —         | 2<br>3.6  | 3<br>5.4  | —         | 1<br>1.8  | 1<br>1.8 | —        |
| Coseley U.D. ...               | —           | —        | —         | —         | —          | 1<br>2.4   | 10<br>24.3 | 1<br>2.4   | 1<br>2.4   | 2<br>4.9  | —         | 1<br>2.4  | —         | —         | —         | 1<br>2.4 | 1<br>2.4 |
| Newcastle-under-<br>Lyme M.B.  | —           | 3<br>8.7 | —         | 1<br>2.9  | 2<br>5.8   | 7<br>20.3  | 3<br>8.7   | 5<br>14.5  | 8<br>23.2  | 1<br>2.9  | 2<br>5.8  | 1<br>2.9  | 1<br>2.9  | 2<br>5.8  | 2<br>2.9  | —        | —        |
| Rowley Regis U.D. ...          | —           | —        | —         | 2<br>11   | 32<br>16.0 | 20<br>46.4 | 9<br>29.0  | 6<br>13.1  | 4<br>8.7   | 3<br>5.8  | —         | 1<br>1.5  | 1<br>1.5  | 1<br>1.5  | 1<br>1.5  | —        | —        |
| Stafford M.B. ...              | —           | —        | —         | —         | —          | 2<br>4.3   | 7<br>15.1  | 9<br>13.0  | 3<br>19.4  | 2<br>6.5  | 2<br>4.3  | 2<br>4.3  | 1<br>2.2  | —         | —         | —        | —        |
| Tipton U.D. ...                | —           | —        | —         | 1<br>1.7  | 5<br>8.3   | 3<br>5.0   | 5<br>8.3   | 3<br>15.0  | 3<br>5.0   | —         | 2<br>3.3  | 1<br>1.7  | 1<br>1.7  | 2<br>3.3  | —         | 2<br>3.3 | 1<br>1.7 |
| Wednesbury M.B. ...            | 1<br>1.8    | 1<br>1.8 | —         | —         | 1<br>1.8   | 1<br>1.8   | 4<br>7.3   | 5<br>3.6   | 2<br>9.1   | 2<br>3.6  | 2<br>3.6  | 1<br>1.8  | —         | —         | —         | —        | —        |
| Wolstanton United U.D.         | —           | —        | —         | 1<br>1.9  | 1<br>1.9   | —          | 4<br>7.8   | 4<br>7.8   | 8<br>15.5  | 6<br>11.7 | 3<br>5.8  | —         | —         | 1<br>1.9  | —         | —        | 1<br>1.9 |
| Remainder of County ...        | 7<br>0.9    | 5<br>0.7 | 8<br>1.1  | 14<br>1.9 | 16<br>2.1  | 63<br>8.5  | 67<br>9.0  | 93<br>12.5 | 85<br>11.4 | 57<br>7.7 | 26<br>3.5 | 19<br>2.6 | 16<br>2.1 | 14<br>1.9 | 8<br>1.1  | 8<br>1.1 | 2<br>0.3 |
| SUFFOLK, EAST.                 |             |          |           |           |            |            |            |            |            |           |           |           |           |           |           |          |          |
| Lowestoft M.B. ...             | 1<br>2.7    | —        | 1<br>1.7  | —         | 4<br>6.9   | 1<br>1.7   | 5<br>8.6   | 6<br>10.4  | 4<br>6.9   | 2<br>3.5  | 1<br>1.7  | —         | —         | —         | —         | —        | —        |
| Remainder of County ...        | 4<br>1.4    | 2<br>0.7 | 1<br>0.4  | 2<br>0.7  | 9<br>3.2   | 20<br>7.1  | 26<br>9.2  | 14<br>5.0  | 32<br>11.4 | 14<br>5.0 | 6<br>2.1  | 6<br>2.1  | 13<br>4.6 | 5<br>1.8  | 3<br>1.1  | 5<br>1.8 | 2<br>0.7 |
| SUFFOLK, WEST                  |             |          |           |           |            |            |            |            |            |           |           |           |           |           |           |          |          |
| —                              | —           | 1<br>0.5 | 5<br>2.7  | 3<br>1.6  | 10<br>5.4  | 12<br>6.5  | 6<br>3.2   | 5<br>2.7   | 10<br>5.4  | 3<br>1.6  | 1<br>0.5  | 6<br>3.2  | 3<br>1.6  | 5<br>2.7  | 1<br>0.5  | —        | 1<br>0.5 |
| SURREY.                        |             |          |           |           |            |            |            |            |            |           |           |           |           |           |           |          |          |
| Barnes U.D. ...                | —           | —        | —         | —         | 2<br>3.3   | 4<br>6.6   | 3<br>5.0   | 3<br>5.0   | 2<br>3.3   | 2<br>3.3  | —         | 1<br>1.7  | —         | 2<br>3.3  | 1<br>1.7  | —        | —        |
| Guildford M.B. ...             | —           | —        | —         | 3<br>6.9  | 2<br>4.6   | 8<br>18.3  | 1<br>2.3   | 7<br>16.0  | 2<br>4.6   | 1<br>2.3  | —         | 1<br>2.3  | 3<br>6.9  | —         | —         | —        | 1<br>2.3 |
| Kingston-on-Thames<br>M.B.     | —           | 1<br>1.4 | 1<br>1.4  | 3<br>4.3  | 3<br>4.3   | 4<br>5.7   | 13<br>18.6 | 12<br>17.2 | 3<br>4.3   | 2<br>2.9  | 2<br>2.9  | —         | 1<br>1.4  | —         | 1<br>1.4  | 1<br>1.4 | —        |
| Mitcham U.D. ...               | —           | —        | —         | —         | 1<br>1.7   | 6<br>10.2  | 4<br>6.8   | 1<br>1.7   | 3<br>5.1   | 1<br>1.7  | 1<br>1.7  | 3<br>5.1  | —         | —         | 1<br>1.7  | —        | —        |
| Reigate M.B. ...               | —           | —        | —         | —         | —          | 3<br>5.9   | 4<br>7.9   | 3<br>5.9   | 2<br>3.9   | 2<br>3.9  | 1<br>2.0  | —         | —         | 1<br>2.0  | —         | —        | —        |
| Richmond M.B. ...              | 1<br>1.6    | —        | —         | 1<br>1.6  | 3<br>4.7   | 5<br>7.8   | 9<br>14.0  | —          | 4<br>6.2   | 3<br>4.7  | 1<br>1.6  | —         | —         | 1<br>1.6  | —         | —        | —        |
| Sutton U.D. ...                | —           | —        | —         | 2<br>5.4  | 1<br>2.7   | 3<br>8.1   | —          | 4<br>10.8  | —          | 2<br>5.4  | —         | 1<br>2.7  | —         | —         | —         | 1<br>2.7 | —        |
| Wimbledon M.B. ...             | 1<br>1.0    | —        | 1<br>1.0  | 2<br>2.0  | 9<br>9.2   | 12<br>12.3 | 14<br>14.3 | 4<br>4.1   | 7<br>7.2   | 1<br>1.0  | 2<br>2.0  | 3<br>3.1  | —         | 1<br>1.0  | —         | —        | —        |
| Woking U.D. ...                | —           | —        | —         | 1<br>2.2  | 2<br>4.4   | 2<br>4.4   | 2<br>4.4   | 2<br>4.4   | 1<br>2.2   | 2<br>4.4  | —         | —         | —         | —         | —         | —        | —        |
| Remainder of County ...        | 6<br>0.8    | 6<br>0.8 | 3<br>0.4  | 10<br>1.4 | 27<br>3.8  | 51<br>7.2  | 49<br>6.9  | 49<br>6.9  | 35<br>4.9  | 18<br>2.5 | 15<br>2.1 | 9<br>1.3  | 6<br>0.8  | 7<br>1.0  | 6<br>0.8  | 2<br>0.3 | 1<br>0.1 |
| SUSSEX, EAST.                  |             |          |           |           |            |            |            |            |            |           |           |           |           |           |           |          |          |
| Hove M.B. ...                  | 2<br>2.6    | —        | 2<br>2.6  | 4<br>5.1  | 5<br>6.4   | 7<br>9.0   | 4<br>5.1   | 6<br>7.7   | 1<br>1.3   | 3<br>3.8  | 2<br>2.6  | —         | —         | —         | —         | 1<br>1.3 | —        |
| Remainder of County ...        | 6<br>1.7    | 2<br>0.6 | 2<br>0.6  | 12<br>3.5 | 19<br>5.5  | 19<br>5.5  | 21<br>6.1  | 20<br>5.8  | 16<br>4.7  | 11<br>3.2 | 3<br>0.9  | 4<br>1.2  | 3<br>0.9  | 2<br>0.6  | 6<br>1.7  | 2<br>0.6 | —        |

TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued.*

| Administrative<br>Counties,       | Week ending |           |           |           |            |             |             |             |             |            |           |           |           |           |           |           |           |
|-----------------------------------|-------------|-----------|-----------|-----------|------------|-------------|-------------|-------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                                   | Jan. 18.    | Jan. 25.  | Feb. 1.   | Feb. 8.   | Feb. 15.   | Feb. 22.    | Mar. 1.     | Mar. 8.     | Mar. 15.    | Mar. 22.   | Mar. 29.  | Apl. 5.   | Apl. 12.  | Apl. 19.  | Apl. 26.  | May 3.    | May 10.   |
| SUSSEX, WEST.                     |             |           |           |           |            |             |             |             |             |            |           |           |           |           |           |           |           |
| Worthing M.B. ....                | 1<br>1.8    | 1<br>1.8  | —         | —         | 2<br>3.6   | 5<br>9.1    | 3<br>5.4    | 6<br>10.9   | 3<br>5.4    | 1<br>1.8   | —         | —         | —         | 2<br>3.6  | —         | —         | 1<br>1.8  |
| Remainder of County ...           | 4<br>1.6    | 3<br>1.2  | 4<br>1.6  | 4<br>1.6  | 11<br>4.3  | 17<br>6.6   | 25<br>9.8   | 14<br>5.5   | 14<br>5.5   | 11<br>4.3  | 6<br>2.3  | 4<br>1.6  | 6<br>2.3  | 2<br>0.8  | 3<br>1.2  | 2<br>0.8  | 1<br>0.4  |
| WARWICKSHIRE.                     |             |           |           |           |            |             |             |             |             |            |           |           |           |           |           |           |           |
| Nuneaton M.B. ....                | —<br>—      | 3<br>4.3  | 1<br>1.4  | 3<br>4.3  | 4<br>5.7   | 1<br>1.4    | 2<br>2.9    | —<br>—      | 2<br>2.9    | 1<br>1.4   | 1<br>1.4  | 6<br>8.6  | 2<br>2.9  | —         | 2<br>2.9  | 1<br>1.4  | —         |
| Royal Leamington Spa<br>M.B. .... | —<br>—      | 2<br>3.8  | 1<br>1.9  | 1<br>1.9  | 2<br>3.8   | —<br>—      | 3<br>5.7    | 1<br>1.9    | 1<br>1.9    | 1<br>1.9   | 1<br>1.9  | —         | —         | —         | —         | —         | —         |
| Rugby U.D. ....                   | —<br>—      | —<br>—    | —<br>—    | —<br>—    | 2<br>4.6   | 8<br>18.4   | 9<br>20.7   | 7<br>16.1   | —<br>—      | 1<br>2.3   | —<br>—    | 1<br>2.3  | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    |
| Sutton Coldfield M.B. ...         | —<br>—      | —<br>—    | —<br>—    | 1<br>—    | 3<br>2.5   | 6<br>2.5    | 4<br>7.6    | 2<br>15.1   | 1<br>10.1   | 1<br>5.0   | 1<br>2.5  | —<br>2.5  | —<br>2.5  | —<br>—    | 1<br>2.5  | —<br>—    | —<br>—    |
| Remainder of County ...           | 2<br>0.5    | 3<br>0.8  | 5<br>1.4  | 2<br>0.5  | 3<br>0.8   | 12<br>3.2   | 31<br>8.4   | 36<br>9.7   | 21<br>5.7   | 11<br>3.0  | 11<br>3.0 | 10<br>2.7 | 6<br>1.6  | 7<br>1.9  | —         | —         | 1<br>0.3  |
| WESTMORLAND                       | —<br>—      | 1<br>1.0  | —         | 3<br>2.9  | —          | 4<br>3.8    | 10<br>9.6   | 8<br>7.6    | 11<br>10.5  | 4<br>3.8   | 4<br>3.8  | 2<br>1.9  | —         | 3<br>2.9  | 1<br>1.0  | —         | —         |
| WIGHT, ISLE OF                    | 3<br>2.0    | 1<br>0.7  | —         | —         | 2<br>1.3   | 13<br>8.7   | 8<br>5.3    | 7<br>4.7    | 5<br>3.3    | 3<br>2.0   | 1<br>0.7  | 3<br>2.0  | 3<br>2.0  | 1<br>0.7  | 1<br>0.7  | 1<br>0.7  | —         |
| WILTSHIRE.                        |             |           |           |           |            |             |             |             |             |            |           |           |           |           |           |           |           |
| Salisbury M.B. ....               | —<br>—      | —<br>—    | —<br>—    | 1<br>2.5  | 1<br>2.5   | —<br>—      | 4<br>10.1   | 2<br>5.0    | 3<br>7.6    | —<br>—     | 3<br>7.6  | —<br>—    | 3<br>7.6  | 1<br>2.5  | —<br>—    | —<br>—    | —<br>—    |
| Swindon M.B. ....                 | —<br>—      | —<br>—    | —<br>—    | —<br>—    | —<br>—     | 4<br>4.1    | 3<br>3.1    | 4<br>4.1    | 3<br>3.1    | 3<br>3.1   | 1<br>1.0  | —<br>—    | 2<br>2.1  | 2<br>2.1  | 1<br>1.0  | —<br>—    | —<br>—    |
| Remainder of County ...           | 4<br>1.1    | 2<br>0.6  | —         | 7<br>1.9  | 13<br>3.6  | 20<br>5.5   | 27<br>7.5   | 26<br>7.2   | 20<br>5.5   | 10<br>2.8  | 5<br>1.4  | 6<br>1.7  | 1<br>0.3  | 2<br>0.6  | 1<br>0.3  | 3<br>0.8  | —         |
| WORCESTERSHIRE.                   |             |           |           |           |            |             |             |             |             |            |           |           |           |           |           |           |           |
| Kidderminster M.B. ...            | —<br>—      | —<br>—    | 3<br>6.8  | 1<br>2.3  | 2<br>4.6   | 2<br>4.6    | 7<br>16.0   | 9<br>20.5   | 4<br>9.1    | 2<br>4.6   | 1<br>2.3  | 2<br>4.6  | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    |
| Oldbury U.D. ....                 | —<br>—      | —<br>—    | —<br>—    | 2<br>—    | —<br>—     | 2<br>—      | 1<br>—      | 7<br>—      | 9<br>—      | 7<br>—     | 7<br>—    | —<br>—    | 2<br>—    | —<br>—    | 1<br>—    | —<br>—    | —<br>—    |
| Remainder of County ...           | 6<br>1.5    | 2<br>0.5  | 4<br>1.0  | 12<br>3.1 | 19<br>4.9  | 28<br>7.2   | 45<br>11.5  | 34<br>8.7   | 26<br>6.7   | 17<br>4.3  | 10<br>2.6 | 11<br>2.8 | 6<br>1.5  | 8<br>2.0  | 7<br>1.8  | 2<br>0.5  | 1<br>0.3  |
| YORKSHIRE,<br>EAST RIDING.        | 4<br>1.4    | 3<br>1.1  | 5<br>1.8  | 6<br>2.2  | 2<br>0.7   | 16<br>5.7   | 19<br>6.8   | 19<br>6.8   | 14<br>5.0   | 13<br>4.7  | 6<br>2.2  | 5<br>1.8  | 4<br>1.4  | 4<br>1.4  | —         | —         | 1<br>0.4  |
| YORKSHIRE,<br>NORTH RIDING.       |             |           |           |           |            |             |             |             |             |            |           |           |           |           |           |           |           |
| Eston U.D. ....                   | —<br>—      | —<br>—    | —<br>—    | —<br>—    | 2<br>3.7   | 1<br>1.8    | 3<br>5.5    | 5<br>9.2    | 3<br>5.5    | 3<br>5.5   | 2<br>3.7  | —<br>—    | 5<br>9.2  | 1<br>1.8  | 2<br>3.7  | —<br>—    | 1<br>1.8  |
| Scarborough M.B. ...              | 1<br>1.8    | —<br>—    | —<br>—    | 2<br>3.6  | —<br>3.6   | —<br>—      | 5<br>9.0    | 7<br>12.6   | 1<br>1.8    | 2<br>3.6   | —<br>—    | 1<br>1.8  | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    |
| Remainder of County ...           | 5<br>1.2    | 4<br>1.0  | 4<br>1.0  | 6<br>1.5  | 9<br>2.2   | 26<br>6.3   | 39<br>9.5   | 49<br>11.9  | 46<br>11.2  | 25<br>6.1  | 16<br>3.9 | 8<br>1.9  | 6<br>1.5  | 2<br>0.5  | 3<br>0.7  | 6<br>1.5  | 1<br>0.2  |
| YORKSHIRE,<br>WEST RIDING.        |             |           |           |           |            |             |             |             |             |            |           |           |           |           |           |           |           |
| Batley M.B. ....                  | 1<br>1.6    | 3<br>4.8  | 1<br>1.6  | 1<br>1.6  | 4<br>6.4   | 8<br>12.8   | 18<br>28.9  | 21<br>33.7  | 7<br>11.2   | 3<br>4.8   | 1<br>1.6  | 3<br>4.8  | —<br>—    | 2<br>3.2  | 2<br>3.2  | 2<br>3.2  | —         |
| Brighouse M.B. ...                | 1<br>2.7    | 1<br>2.7  | 1<br>2.7  | 1<br>2.7  | 3<br>2.7   | 5<br>8.1    | 5<br>13.5   | 5<br>13.5   | 5<br>13.5   | 1<br>2.7   | —<br>—    | 4<br>10.8 | —<br>—    | —<br>—    | —<br>—    | 1<br>2.7  | —         |
| Castleford U.D. ...               | —<br>—      | 2<br>4.5  | 1<br>2.3  | 6<br>13.6 | 7<br>15.9  | 7<br>15.9   | 3<br>6.8    | 1<br>2.3    | 2<br>4.5    | 1<br>2.3   | —<br>—    | —<br>—    | —<br>—    | —<br>—    | 1<br>2.3  | 2<br>4.5  | 1<br>2.3  |
| Doncaster M.B. ...                | 2<br>2.2    | 1<br>1.1  | 1<br>1.1  | 2<br>2.2  | 7<br>7.7   | 9<br>9.9    | 18<br>19.8  | 17<br>18.7  | 5<br>15.4   | 2<br>5.5   | —<br>2.2  | —<br>—    | 2<br>2.2  | 1<br>1.1  | 1<br>1.1  | 1<br>1.1  | 1<br>1.1  |
| Goole U.D. ....                   | 2<br>6.3    | —<br>—    | —<br>—    | —<br>—    | 2<br>6.3   | —<br>—      | 1<br>3.2    | 1<br>3.2    | —<br>—      | —<br>—     | 2<br>6.3  | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    | —<br>—    |
| Harrogate M.B. ...                | —<br>—      | 1<br>1.6  | —<br>—    | 1<br>1.6  | 3<br>4.7   | 2<br>3.1    | 3<br>4.7    | 2<br>3.1    | 3<br>4.7    | 3<br>4.7   | —<br>—    | —<br>—    | —<br>—    | 1<br>1.6  | —<br>—    | —<br>—    | 1<br>1.6  |
| Keighley M.B. ...                 | —<br>—      | 1<br>1.4  | —<br>—    | —<br>—    | 1<br>1.4   | 8<br>11.0   | 3<br>4.1    | 3<br>4.1    | 6<br>8.2    | 2<br>2.7   | 3<br>4.1  | 1<br>1.4  | 1<br>1.4  | 1<br>1.4  | —<br>—    | —<br>—    | 2<br>2.7  |
| Morley M.B. ....                  | —<br>—      | —<br>—    | —<br>—    | 1<br>2.3  | 1<br>2.3   | 3<br>7.0    | 4<br>9.4    | 5<br>11.7   | 1<br>2.3    | 1<br>2.3   | —<br>—    | 3<br>7.0  | —<br>—    | —<br>—    | —<br>—    | —<br>—    | 1<br>2.3  |
| Shipley U.D. ....                 | —<br>—      | —<br>—    | 1<br>2.0  | —<br>—    | 2<br>4.0   | 7<br>14.1   | 6<br>12.1   | 10<br>20.1  | 4<br>8.0    | 1<br>2.0   | 2<br>4.0  | 2<br>4.0  | —<br>—    | 2<br>4.0  | —<br>—    | —<br>—    | —<br>—    |
| Spennorth U.D. ...                | 1<br>1.8    | —<br>—    | —<br>—    | —<br>—    | 4<br>7.1   | 1<br>1.8    | 15<br>26.5  | 10<br>17.6  | —<br>—      | 3<br>5.3   | 2<br>3.5  | —<br>—    | 1<br>1.8  | —<br>—    | —<br>—    | —<br>—    | —<br>—    |
| Todmorden M.B. ...                | —<br>—      | —<br>—    | —<br>—    | —<br>—    | 1<br>2.5   | —<br>—      | 8<br>19.9   | 9<br>22.4   | 11<br>27.4  | 6<br>14.9  | 1<br>2.5  | 1<br>2.5  | —<br>—    | 3<br>7.5  | —<br>—    | 2<br>5.0  | —         |
| Remainder of County ...           | 21<br>1.1   | 24<br>1.2 | 25<br>1.3 | 59<br>3.0 | 103<br>5.2 | 209<br>10.5 | 291<br>14.6 | 239<br>12.0 | 206<br>10.3 | 100<br>5.0 | 62<br>3.1 | 35<br>1.8 | 28<br>1.4 | 21<br>1.1 | 14<br>0.7 | 30<br>1.5 | 15<br>0.8 |



TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued*.

| Administrative<br>Counties. | Week ending |          |          |          |            |            |            |            |            |            |           |            |           |          |          |          |          |
|-----------------------------|-------------|----------|----------|----------|------------|------------|------------|------------|------------|------------|-----------|------------|-----------|----------|----------|----------|----------|
|                             | Jan. 18.    | Jan. 25. | Feb. 1.  | Feb. 8.  | Feb. 15.   | Feb. 22.   | Mar. 1.    | Mar. 8.    | Mar. 15.   | Mar. 22.   | Mar. 29.  | Apl. 5.    | Apl. 12.  | Apl. 19. | Apl. 26. | May 3.   | May 10.  |
| ANGLESEY ...                | 3<br>3.3    | —        | 2<br>2.2 | 3<br>3.3 | 4<br>4.4   | 6<br>6.6   | 6<br>6.6   | 9<br>9.8   | 6<br>6.6   | 4<br>4.4   | 3<br>3.3  | 3<br>3.3   | 1<br>1.1  | 2<br>2.2 | 1<br>1.1 | 1<br>1.1 | 3<br>3.3 |
| BRECKNOCKSHIRE ...          | —           | —        | —        | —        | 4<br>3.9   | 3<br>2.9   | 7<br>6.8   | 3<br>2.9   | 5<br>4.9   | 4<br>3.9   | 7<br>6.8  | 4<br>3.9   | 2<br>1.9  | 1<br>1.0 | 1<br>1.0 | —        | —        |
| CARDIGANSHIRE ...           | —           | 1<br>1.0 | 1<br>1.0 | 2<br>2.0 | —          | —          | 7<br>7.1   | 5<br>5.1   | 12<br>12.1 | 6<br>6.1   | 8<br>8.1  | 13<br>13.1 | 7<br>7.1  | 4<br>4.0 | —        | 2<br>2.0 | —        |
| * CARMARTHENSHIRE.          |             |          |          |          |            |            |            |            |            |            |           |            |           |          |          |          |          |
| Llanelly M.B. ...           | —           | —        | —        | —        | —          | 6<br>9.3   | 5<br>7.8   | 9<br>14.0  | 3<br>4.7   | 2<br>3.1   | 1<br>1.6  | 3<br>3.1   | 1<br>1.6  | 2<br>3.1 | —        | 1<br>1.6 | —        |
| Remainder of County ...     | 5<br>2.1    | 2<br>0.8 | 4<br>1.7 | 3<br>1.2 | 2<br>0.8   | 5<br>2.1   | 6<br>2.5   | 12<br>5.0  | 9<br>3.7   | 10<br>4.1  | 3<br>1.2  | 3<br>1.2   | 6<br>2.5  | 6<br>2.5 | 4<br>1.7 | 4<br>1.7 | —        |
| CARNARVONSHIRE ...          | 2<br>1.0    | 3<br>1.5 | 1<br>0.5 | 4<br>2.0 | 4<br>2.0   | 24<br>12.1 | 34<br>17.1 | 29<br>14.6 | 21<br>10.6 | 8<br>4.0   | 7<br>3.5  | 3<br>1.5   | 4<br>2.0  | 7<br>3.5 | 2<br>1.0 | 1<br>0.5 | 3<br>1.5 |
| DENBIGHSHIRE ...            | 11<br>4.3   | 3<br>1.2 | 6<br>2.3 | 7<br>2.7 | 26<br>10.1 | 49<br>19.0 | 40<br>15.5 | 27<br>10.5 | 9<br>3.5   | 15<br>5.8  | 8<br>3.1  | 13<br>5.1  | 4<br>1.6  | 4<br>1.6 | 2<br>0.8 | 2<br>0.8 | —        |
| FLINTSHIRE ...              | 4<br>2.3    | —        | —        | 3<br>1.7 | 11<br>6.3  | 30<br>17.1 | 30<br>17.1 | 36<br>20.6 | 21<br>12.0 | 14<br>8.0  | 11<br>6.3 | 6<br>3.4   | 3<br>1.7  | 2<br>1.1 | 1<br>0.6 | —        | 1<br>0.6 |
| GLAMORGANSHIRE.             |             |          |          |          |            |            |            |            |            |            |           |            |           |          |          |          |          |
| Aberdare U.D. ...           | 1<br>1.0    | 2<br>2.1 | 1<br>1.0 | —        | 3<br>3.1   | 6<br>6.3   | 11<br>11.5 | 15<br>15.6 | 7<br>7.3   | 5<br>5.2   | 4<br>4.2  | 2<br>2.1   | 3<br>3.1  | —        | 1<br>1.0 | —        | 2<br>2.1 |
| Barry U.D. ...              | 1<br>1.5    | —        | —        | 1<br>1.5 | —          | 2<br>3.1   | 3<br>4.6   | 2<br>3.1   | 7<br>10.8  | —          | 2<br>3.1  | —          | 1<br>1.5  | —        | —        | 1<br>1.5 | —        |
| Caerphilly U.D. ...         | —           | —        | —        | —        | —          | 1<br>1.5   | 2<br>3.0   | 7<br>10.5  | —          | 3<br>4.5   | 4<br>6.0  | 3<br>4.5   | 4<br>6.0  | 2<br>3.0 | 2<br>3.0 | —        | —        |
| Gelligaer U.D. ...          | —           | 1<br>1.4 | —        | 1<br>1.4 | —          | 1<br>1.4   | 1<br>1.4   | 1<br>5.6   | 4<br>2.8   | 2<br>1.4   | 1<br>—    | —          | 2<br>2.8  | 1<br>1.4 | —        | 1<br>1.4 | —        |
| Maesteg U.D. ...            | —           | —        | 1<br>1.9 | 1<br>1.9 | —          | 1<br>1.9   | 2<br>3.9   | —          | —          | 1<br>1.9   | 3<br>5.8  | 1<br>1.9   | 2<br>3.9  | 1<br>1.9 | —        | 1<br>1.9 | 1<br>1.9 |
| Mountain Ash U.D. ...       | 1<br>1.3    | 1<br>1.3 | —        | 1<br>1.3 | 2<br>2.6   | 8<br>10.3  | 13<br>16.8 | 12<br>15.5 | 6<br>7.7   | 2<br>2.6   | 2<br>2.6  | 1<br>1.3   | 1<br>1.3  | 1<br>1.3 | —        | 3<br>3.9 | —        |
| Ogmore and Garw U.D. ...    | —           | —        | —        | —        | —          | —          | 2<br>3.7   | 1<br>1.9   | 1<br>1.9   | 1<br>1.9   | —         | 2<br>3.7   | —         | 1<br>1.9 | —        | —        | —        |
| Pontypridd U.D. ...         | 1<br>1.3    | —        | 1<br>1.3 | —        | 1<br>1.3   | 2<br>2.5   | 3<br>3.8   | 5<br>6.4   | 4<br>5.1   | 2<br>2.5   | 1<br>1.3  | 1<br>1.3   | —         | —        | —        | —        | —        |
| Rhondda U.D. ...            | 4<br>1.4    | 2<br>0.7 | 1<br>0.4 | 3<br>1.1 | 13<br>4.6  | 24<br>8.5  | 23<br>8.1  | 17<br>6.0  | 19<br>6.7  | 6<br>2.1   | 11<br>3.9 | 12<br>4.2  | 13<br>4.6 | 6<br>2.1 | 7<br>2.5 | 2<br>0.7 | 1<br>0.4 |
| Remainder of County ...     | 3<br>0.6    | 2<br>0.4 | 6<br>1.1 | 5<br>1.0 | 15<br>2.9  | 22<br>4.2  | 29<br>5.5  | 32<br>6.1  | 28<br>5.3  | 17<br>4.9  | 22<br>3.2 | 14<br>4.2  | 9<br>2.7  | 7<br>1.7 | 7<br>1.3 | 2<br>0.4 | 7<br>1.3 |
| MERIONETHSHIRE ...          | —           | —        | —        | 4<br>5.6 | —          | 2<br>2.8   | 6<br>8.4   | 4<br>5.6   | 2<br>2.8   | 12<br>16.7 | 8<br>11.2 | 5<br>7.0   | 3<br>4.2  | 2<br>2.8 | 3<br>4.2 | 1<br>1.4 | 1<br>1.4 |
| MONTGOMERYSHIRE             | 3<br>3.4    | 1<br>1.1 | 2<br>2.2 | 3<br>3.4 | 6<br>6.7   | 8<br>9.0   | 9<br>10.1  | 8<br>9.0   | 7<br>7.9   | 8<br>9.0   | 3<br>3.4  | 2<br>2.2   | 1<br>1.1  | 3<br>3.4 | 1<br>1.1 | —        | 1<br>1.1 |
| PEMBROKESHIRE ...           | 2<br>1.3    | —        | 1<br>0.6 | 1<br>0.6 | 2<br>1.3   | 8<br>5.1   | 2<br>1.3   | 9<br>5.7   | 5<br>3.2   | 3<br>1.9   | —         | 1<br>0.6   | 2<br>1.3  | —        | 2<br>1.3 | 2<br>1.3 | —        |
| RADNORSHIRE ...             | 1<br>2.6    | —        | —        | —        | —          | 3<br>7.7   | 2<br>5.1   | —          | 1<br>2.6   | 1<br>2.6   | 5<br>12.8 | 1<br>2.6   | 1<br>2.6  | —        | —        | —        | —        |

TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued*.

## SUMMARY.

|  | Whole Period,<br>June 23–May 10. | First Wave,<br>12 weeks,<br>June 23–Sept. 14. | Second Wave,<br>19 weeks,<br>Sept. 15–Jan. 25. | Third Wave,<br>15 weeks,<br>Jan. 26–May 10 | Week ending |              |              |              |              |            |            |            |            |            |            |            |
|--|----------------------------------|---|--|--|-------------|--------------|--------------|--------------|--------------|------------|------------|------------|------------|------------|------------|------------|
|  |                                  |   |  |  | June 29.    | July 6.      | July 13.     | July 20.     | July 27.     | Aug. 3.    | Aug. 10.   | Aug. 17.   | Aug. 24.   | Aug. 31.   | Sept. 7.   | Sept. 14.  |
| LONDON ... {                               | 17,113<br>4.9                    | 997<br>1.1                                    | 12,330<br>8.6                                  | 3,786<br>3.3                               | 93<br>1.2   | 258<br>3.4   | 279<br>3.7   | 165<br>2.2   | 75<br>1.0    | 30<br>0.4  | 28<br>0.4  | 16<br>0.2  | 15<br>0.2  | 10<br>0.1  | 13<br>0.2  | 15<br>0.2  |
| COUNTY BOROUGHES.                          |                                  |   |  |  |             |              |              |              |              |            |            |            |            |            |            |            |
| North ... {                                | 28,488<br>5.3                    | 2,855<br>2.0                                  | 16,735<br>7.6                                  | 8,898<br>5.1                               | 162<br>1.4  | 696<br>6.0   | 863<br>7.4   | 543<br>4.7   | 262<br>2.3   | 120<br>1.0 | 60<br>0.5  | 43<br>0.4  | 42<br>0.4  | 29<br>0.2  | 20<br>0.2  | 15<br>0.1  |
| Midlands ... {                             | 16,039<br>5.1                    | 1,208<br>1.5                                  | 11,113<br>8.6                                  | 3,718<br>3.6                               | 35<br>0.5   | 241<br>3.5   | 378<br>5.5   | 266<br>3.9   | 115<br>1.7   | 55<br>0.8  | 45<br>0.7  | 23<br>0.3  | 19<br>0.3  | 11<br>0.2  | 12<br>0.2  | 8<br>0.1   |
| South ... {                                | 4,494<br>4.3                     | 193<br>0.7                                    | 3,153<br>7.3                                   | 1,148<br>3.4                               | 6<br>0.3    | 39<br>1.7    | 28<br>1.2    | 27<br>1.2    | 20<br>0.9    | 19<br>1.0  | 19<br>0.8  | 5<br>0.2   | 9<br>0.4   | 7<br>0.3   | 5<br>0.2   | 6<br>0.3   |
| Wales ... {                                | 1,660<br>4.1                     | 135<br>1.3                                    | 1,018<br>6.1                                   | 507<br>3.7                                 | 8<br>0.9    | 16<br>1.9    | 31<br>3.7    | 21<br>2.5    | 19<br>2.3    | 11<br>1.3  | 8<br>0.9   | 7<br>0.8   | 4<br>0.5   | 2<br>0.2   | 5<br>0.6   | 3<br>0.4   |
| Total ... {                                | 50,681<br>5.1                    | 4,391<br>1.7                                  | 32,019<br>7.8                                  | 14,271<br>4.4                              | 211<br>1.0  | 992<br>4.6   | 1,300<br>6.0 | 857<br>4.0   | 416<br>1.9   | 208<br>1.0 | 132<br>0.6 | 78<br>0.4  | 74<br>0.3  | 49<br>0.2  | 42<br>0.2  | 32<br>0.1  |
| OTHER TOWNS OF OVER<br>20,000 POPULATION.  |                                  |   |  |  |             |              |              |              |              |            |            |            |            |            |            |            |
| North ... {                                | 7,154<br>5.4                     | 867<br>2.5                                    | 4,122<br>7.5                                   | 2,165<br>5.0                               | 39<br>1.3   | 200<br>6.9   | 260<br>9.0   | 156<br>5.4   | 115<br>4.0   | 42<br>1.4  | 23<br>0.8  | 15<br>0.5  | 8<br>0.3   | 4<br>0.1   | 3<br>0.1   | 2<br>0.1   |
| Midlands ... {                             | 10,287<br>4.9                    | 573<br>1.0                                    | 7,588<br>8.7                                   | 2,126<br>3.1                               | 25<br>0.5   | 127<br>2.8   | 153<br>3.3   | 126<br>2.8   | 59<br>1.3    | 37<br>0.8  | 8<br>0.2   | 11<br>0.2  | 5<br>0.1   | 2<br>0.0   | 11<br>0.2  | 9<br>0.2   |
| South ... {                                | 3,789<br>4.0                     | 150<br>0.6                                    | 2,762<br>7.1                                   | 877<br>2.9                                 | 8<br>0.4    | 28<br>1.4    | 29<br>1.4    | 26<br>1.3    | 16<br>0.8    | 12<br>0.6  | 5<br>0.2   | 9<br>0.4   | 2<br>0.1   | 4<br>0.2   | 7<br>0.3   | 4<br>0.2   |
| Wales ... {                                | 2,229<br>4.1                     | 356<br>2.5                                    | 1,363<br>6.0                                   | 510<br>2.9                                 | 13<br>1.1   | 66<br>5.6    | 84<br>7.1    | 78<br>6.6    | 47<br>4.0    | 34<br>2.9  | 14<br>1.2  | 6<br>0.5   | 3<br>0.3   | 5<br>0.4   | 2<br>0.2   | 4<br>0.3   |
| Total ... {                                | 23,459<br>4.8                    | 1,946<br>1.5                                  | 15,835<br>7.8                                  | 5,678<br>3.5                               | 85<br>0.8   | 421<br>3.9   | 526<br>4.9   | 386<br>3.6   | 237<br>2.2   | 125<br>1.2 | 50<br>0.5  | 41<br>0.4  | 18<br>0.2  | 15<br>0.1  | 23<br>0.2  | 19<br>0.2  |
| REMAINDER OF ADMIN-<br>ISTRATIVE COUNTIES. |                                  |   |  |  |             |              |              |              |              |            |            |            |            |            |            |            |
| North ... {                                | 17,958<br>5.4                    | 1,576<br>1.8                                  | 11,291<br>8.2                                  | 5,091<br>4.7                               | 51<br>0.7   | 252<br>3.5   | 419<br>5.8   | 383<br>5.3   | 196<br>2.7   | 125<br>1.7 | 52<br>0.7  | 34<br>0.5  | 16<br>0.2  | 17<br>0.2  | 19<br>0.3  | 12<br>0.2  |
| Midlands ... {                             | 19,877<br>4.8                    | 892<br>0.8                                    | 14,608<br>8.5                                  | 4,377<br>3.2                               | 14<br>0.2   | 122<br>1.4   | 160<br>1.8   | 227<br>2.5   | 115<br>1.3   | 95<br>1.1  | 33<br>0.4  | 42<br>0.5  | 22<br>0.2  | 31<br>0.3  | 18<br>0.2  | 13<br>0.1  |
| South ... {                                | 9,896<br>3.8                     | 336<br>0.5                                    | 7,089<br>6.6                                   | 2,471<br>2.9                               | 18<br>0.3   | 33<br>0.6    | 60<br>1.1    | 47<br>0.8    | 44<br>0.8    | 22<br>0.4  | 27<br>0.5  | 29<br>0.5  | 16<br>0.3  | 15<br>0.3  | 13<br>0.2  | 12<br>0.2  |
| Wales ... {                                | 4,870<br>4.4                     | 328<br>1.1                                    | 3,203<br>7.0                                   | 1,339<br>3.7                               | 8<br>0.3    | 31<br>1.3    | 55<br>2.3    | 76<br>3.1    | 56<br>2.3    | 40<br>1.6  | 15<br>0.6  | 16<br>0.7  | 13<br>0.5  | 8<br>0.3   | 4<br>0.2   | 6<br>0.2   |
| Total ... {                                | 52,601<br>4.7                    | 3,132<br>1.1                                  | 36,191<br>7.8                                  | 13,278<br>3.6                              | 91<br>0.4   | 438<br>1.8   | 694<br>2.8   | 733<br>3.0   | 411<br>1.7   | 282<br>1.2 | 127<br>0.5 | 121<br>0.5 | 67<br>0.3  | 71<br>0.3  | 54<br>0.2  | 43<br>0.2  |
| ALL AREAS.                                 |                                  |   |  |  |             |              |              |              |              |            |            |            |            |            |            |            |
| North ... {                                | 53,600<br>5.4                    | 5,298<br>2.0                                  | 32,148<br>7.8                                  | 16,154<br>5.0                              | 252<br>1.2  | 1,148<br>5.3 | 1,542<br>7.1 | 1,082<br>5.0 | 573<br>2.6   | 287<br>1.3 | 135<br>0.6 | 92<br>0.4  | 66<br>0.3  | 50<br>0.2  | 42<br>0.2  | 29<br>0.1  |
| Midlands ... {                             | 46,203<br>4.9                    | 2,673<br>1.1                                  | 33,309<br>8.6                                  | 10,221<br>3.3                              | 74<br>0.4   | 490<br>2.4   | 691<br>3.4   | 619<br>3.0   | 289<br>1.4   | 187<br>0.9 | 86<br>0.4  | 76<br>0.4  | 46<br>0.2  | 44<br>0.2  | 41<br>0.2  | 30<br>0.1  |
| South ... {                                | 35,292<br>4.4                    | 1,676<br>0.8                                  | 25,334<br>7.6                                  | 8,282<br>3.1                               | 125<br>0.7  | 358<br>2.0   | 396<br>2.3   | 265<br>1.5   | 155<br>0.9   | 86<br>0.5  | 79<br>0.4  | 59<br>0.3  | 42<br>0.2  | 36<br>0.2  | 38<br>0.2  | 37<br>0.2  |
| Wales ... {                                | 8,759<br>4.3                     | 819<br>1.5                                    | 5,584<br>6.6                                   | 2,356<br>3.5                               | 29<br>0.6   | 113<br>2.5   | 170<br>3.8   | 175<br>3.9   | 122<br>2.7   | 85<br>1.9  | 37<br>0.8  | 29<br>0.6  | 20<br>0.4  | 15<br>0.3  | 11<br>0.2  | 13<br>0.3  |
| ENGLAND<br>AND<br>WALES {                  | 143,854<br>4.9                   | 10,466<br>1.4                                 | 96,375<br>7.9                                  | 37,013<br>3.8                              | 480<br>0.7  | 2,109<br>3.3 | 2,799<br>4.4 | 2,141<br>3.3 | 1,139<br>1.8 | 645<br>1.0 | 337<br>0.5 | 256<br>0.4 | 174<br>0.3 | 145<br>0.2 | 132<br>0.2 | 109<br>0.2 |
| Non-Civilians                              | 10,602                           | 469   | 7,384  | 2,749                                      | 31          | 126          | 153          | 79           | 30           | 16         | 9          | 7          | 4          | 4          | 2          | 8          |
| Total ... {                                | 154,456                          | 10,935  | 103,759  | 39,762                                     | 511         | 2,235        | 2,952        | 2,220        | 1,169        | 661        | 346        | 263        | 178        | 149        | 134        | 117        |



TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued.*SUMMARY—*continued.*

|  | Week ending |            |            |              |              |               |                |                |                |                |                |               |              |              |              |            |            |
|--|-------------|------------|------------|--------------|--------------|---------------|----------------|----------------|----------------|----------------|----------------|---------------|--------------|--------------|--------------|------------|------------|
|  | Sept. 21.   | Sept. 28.  | Oct. 5.    | Oct. 12.     | Oct. 19.     | Oct. 26.      | Nov. 2.        | Nov. 9.        | Nov. 16.       | Nov. 23.       | Nov. 30.       | Dec. 7.       | Dec. 14.     | Dec. 21.     | Dec. 28.     | Jan. 4.    | Jan. 11.   |
| LONDON ...                                 | 13<br>0·2   | 17<br>0·2  | 25<br>0·3  | 110<br>1·5   | 519<br>6·8   | 1,579<br>20·8 | 2,651<br>35·0  | 2,413<br>31·8  | 1,588<br>20·9  | 1,160<br>15·3  | 918<br>12·1    | 597<br>7·9    | 262<br>3·5   | 165<br>2·2   | 102<br>1·3   | 72<br>0·9  | 59<br>0·8  |
| COUNTY BOROUGHES.                          |             |            |            |              |              |               |                |                |                |                |                |               |              |              |              |            |            |
| North ...                                  | 19<br>0·2   | 35<br>0·3  | 69<br>0·6  | 248<br>2·1   | 646<br>5·6   | 1,324<br>11·4 | 2,115<br>18·2  | 2,254<br>19·4  | 2,043<br>17·6  | 2,169<br>18·7  | 2,155<br>18·6  | 1,446<br>12·5 | 778<br>6·7   | 458<br>3·9   | 295<br>2·5   | 241<br>2·1 | 186<br>1·6 |
| Midlands ...                               | 16<br>0·2   | 13<br>0·2  | 25<br>0·4  | 84<br>1·2    | 332<br>4·9   | 971<br>14·3   | 1,707<br>25·1  | 1,790<br>26·3  | 1,550<br>22·8  | 1,389<br>20·4  | 1,409<br>20·7  | 865<br>12·7   | 427<br>6·3   | 218<br>3·2   | 100<br>1·5   | 86<br>1·3  | 57<br>0·8  |
| South ...                                  | 12<br>0·5   | 15<br>0·7  | 86<br>3·8  | 255<br>11·2  | 430<br>19·0  | 564<br>24·9   | 591<br>26·1    | 400<br>17·6    | 208<br>9·2     | 140<br>6·2     | 143<br>6·3     | 104<br>4·6    | 56<br>2·5    | 37<br>1·6    | 21<br>0·9    | 30<br>1·3  | 24<br>1·1  |
| Wales ...                                  | —<br>—      | 8<br>0·9   | 14<br>1·7  | 26<br>3·1    | 87<br>10·3   | 179<br>21·2   | 155<br>18·4    | 160<br>19·0    | 87<br>9·6      | 91<br>10·1     | 73<br>8·1      | 55<br>6·1     | 24<br>2·7    | 11<br>1·2    | 9<br>1·0     | 13<br>1·4  | 5<br>0·6   |
| Total ...                                  | 47<br>0·2   | 71<br>0·3  | 194<br>0·9 | 613<br>2·8   | 1,495<br>6·9 | 3,038<br>14·1 | 4,568<br>21·2  | 4,604<br>21·4  | 3,888<br>18·0  | 3,789<br>17·5  | 3,780<br>17·5  | 2,470<br>11·4 | 1,285<br>6·0 | 724<br>3·4   | 425<br>2·0   | 370<br>1·7 | 272<br>1·3 |
| OTHER TOWNS OF OVER<br>20,000 POPULATION.  |             |            |            |              |              |               |                |                |                |                |                |               |              |              |              |            |            |
| North ...                                  | 6<br>0·2    | 4<br>0·1   | 10<br>0·3  | 40<br>1·4    | 103<br>3·5   | 215<br>7·4    | 374<br>12·9    | 575<br>19·8    | 568<br>19·6    | 614<br>21·1    | 629<br>21·7    | 439<br>15·1   | 236<br>8·1   | 112<br>3·9   | 77<br>2·7    | 36<br>1·2  | 29<br>1·0  |
| Midlands ...                               | 11<br>0·2   | 29<br>0·6  | 65<br>1·4  | 144<br>3·1   | 391<br>8·5   | 814<br>17·8   | 1,255<br>27·4  | 1,225<br>26·8  | 976<br>21·3    | 934<br>20·4    | 772<br>16·9    | 437<br>9·5    | 201<br>4·4   | 87<br>1·9    | 86<br>1·9    | 52<br>1·1  | 43<br>0·9  |
| South ...                                  | 5<br>0·2    | 5<br>0·2   | 13<br>0·6  | 27<br>1·3    | 103<br>5·1   | 284<br>14·0   | 609<br>29·9    | 551<br>27·1    | 320<br>15·7    | 280<br>13·8    | 216<br>10·6    | 145<br>7·1    | 83<br>4·1    | 44<br>2·2    | 22<br>1·1    | 21<br>1·0  | 14<br>0·7  |
| Wales ...                                  | 6<br>0·5    | 4<br>0·3   | 12<br>1·0  | 26<br>2·2    | 45<br>3·8    | 106<br>8·9    | 175<br>14·7    | 182<br>15·3    | 140<br>11·8    | 168<br>14·1    | 215<br>18·1    | 111<br>9·3    | 79<br>6·6    | 36<br>3·0    | 15<br>1·3    | 13<br>1·1  | 11<br>0·9  |
| Total ...                                  | 28<br>0·3   | 42<br>0·4  | 100<br>0·9 | 237<br>2·2   | 642<br>6·0   | 1,419<br>13·2 | 2,413<br>22·5  | 2,533<br>23·7  | 2,004<br>18·7  | 1,996<br>18·6  | 1,832<br>17·1  | 1,132<br>10·6 | 599<br>5·6   | 279<br>2·6   | 200<br>1·9   | 122<br>1·1 | 97<br>0·9  |
| REMAINDER OF ADMIN-<br>ISTRATIVE COUNTIES. |             |            |            |              |              |               |                |                |                |                |                |               |              |              |              |            |            |
| North ...                                  | 14<br>0·2   | 22<br>0·3  | 39<br>0·5  | 102<br>1·4   | 227<br>3·1   | 495<br>6·8    | 995<br>13·7    | 1,366<br>18·9  | 1,495<br>20·7  | 1,713<br>23·7  | 1,849<br>25·5  | 1,309<br>18·1 | 726<br>10·0  | 367<br>5·1   | 198<br>2·7   | 129<br>1·8 | 104<br>1·4 |
| Midlands ...                               | 21<br>0·2   | 27<br>0·3  | 53<br>0·6  | 105<br>1·2   | 384<br>4·3   | 826<br>9·2    | 1,649<br>18·3  | 2,101<br>23·3  | 1,999<br>22·2  | 2,035<br>22·6  | 2,094<br>23·3  | 1,435<br>15·9 | 792<br>8·8   | 435<br>4·8   | 217<br>2·4   | 164<br>1·8 | 113<br>1·3 |
| South ...                                  | 14<br>0·2   | 20<br>0·4  | 42<br>0·7  | 116<br>2·0   | 286<br>5·0   | 698<br>12·3   | 1,169<br>20·5  | 1,280<br>22·5  | 897<br>15·8    | 766<br>13·5    | 615<br>10·8    | 464<br>8·2    | 253<br>4·4   | 141<br>2·5   | 88<br>1·5    | 62<br>1·1  | 72<br>1·3  |
| Wales ...                                  | 12<br>0·5   | 17<br>0·7  | 14<br>0·6  | 35<br>1·4    | 90<br>3·7    | 232<br>9·5    | 452<br>18·5    | 475<br>19·4    | 478<br>20·0    | 397<br>16·7    | 334<br>14·0    | 244<br>10·2   | 138<br>5·8   | 73<br>3·1    | 67<br>2·8    | 42<br>1·8  | 53<br>2·2  |
| Total ...                                  | 61<br>0·3   | 86<br>0·4  | 148<br>0·6 | 358<br>1·5   | 987<br>4·0   | 2,251<br>9·2  | 4,265<br>17·5  | 5,222<br>21·4  | 4,869<br>20·0  | 4,911<br>20·2  | 4,892<br>20·1  | 3,452<br>14·2 | 1,909<br>7·9 | 1,016<br>4·2 | 570<br>2·3   | 397<br>1·6 | 342<br>1·4 |
| ALL AREAS.                                 |             |            |            |              |              |               |                |                |                |                |                |               |              |              |              |            |            |
| North ...                                  | 39<br>0·2   | 61<br>0·3  | 118<br>0·5 | 390<br>1·8   | 976<br>4·5   | 2,034<br>9·3  | 3,484<br>16·0  | 4,195<br>19·3  | 4,106<br>18·9  | 4,496<br>20·7  | 4,633<br>21·3  | 3,194<br>14·7 | 1,740<br>8·0 | 937<br>4·3   | 570<br>2·6   | 406<br>1·9 | 319<br>1·5 |
| Midlands ...                               | 48<br>0·2   | 69<br>0·3  | 143<br>0·7 | 333<br>1·6   | 1,107<br>5·4 | 2,611<br>12·8 | 4,611<br>22·6  | 5,116<br>25·1  | 4,525<br>22·2  | 4,358<br>21·4  | 4,275<br>21·0  | 2,737<br>13·4 | 1,420<br>7·0 | 740<br>3·6   | 403<br>2·0   | 302<br>1·5 | 213<br>1·0 |
| South ...                                  | 44<br>0·3   | 57<br>0·3  | 166<br>0·9 | 508<br>2·9   | 1,338<br>7·6 | 3,125<br>17·8 | 5,020<br>28·6  | 4,644<br>26·4  | 3,013<br>17·1  | 2,346<br>13·3  | 1,892<br>10·8  | 1,310<br>7·5  | 654<br>3·7   | 387<br>2·2   | 233<br>1·3   | 185<br>1·1 | 169<br>1·0 |
| Wales ...                                  | 18<br>0·4   | 29<br>0·6  | 40<br>0·9  | 87<br>1·9    | 222<br>5·0   | 517<br>11·6   | 782<br>17·5    | 817<br>18·3    | 705<br>15·8    | 656<br>14·7    | 622<br>13·9    | 410<br>9·2    | 241<br>5·4   | 120<br>2·7   | 91<br>2·0    | 68<br>1·5  | 69<br>1·5  |
| ENGLAND<br>AND<br>WALES                    | 149<br>0·2  | 216<br>0·3 | 467<br>0·7 | 1,318<br>2·1 | 3,643<br>5·7 | 8,287<br>12·9 | 13,897<br>21·6 | 14,772<br>23·0 | 12,349<br>19·2 | 11,856<br>18·5 | 11,422<br>17·8 | 7,651<br>11·9 | 4,055<br>6·3 | 2,184<br>3·4 | 1,297<br>2·0 | 961<br>1·5 | 770<br>1·2 |
| Civilians ...                              | 149<br>0·2  | 216<br>0·3 | 467<br>0·7 | 1,318<br>2·1 | 3,643<br>5·7 | 8,287<br>12·9 | 13,897<br>21·6 | 14,772<br>23·0 | 12,349<br>19·2 | 11,856<br>18·5 | 11,422<br>17·8 | 7,651<br>11·9 | 4,055<br>6·3 | 2,184<br>3·4 | 1,297<br>2·0 | 961<br>1·5 | 770<br>1·2 |
| Non-Civilians                              | 22          | 74         | 252        | 268          | 373          | 777           | 1,147          | 1,243          | 838            | 660            | 719            | 429           | 223          | 91           | 81           | 63         | 33         |
| Total ...                                  | 171         | 290        | 719        | 1,586        | 4,016        | 9,064         | 15,044         | 16,015         | 13,187         | 12,516         | 12,141         | 8,080         | 4,278        | 2,275        | 1,378        | 1,024      | 803        |

TABLE XX.—INFLUENZA.—Weekly Deaths and Death-rates in Administrative Areas—*continued*.SUMMARY—*continued*.

|  |               | Week ending |            |            |              |              |               |               |               |              |              |              |              |            |            |            |            |            |
|--|---------------|-------------|------------|------------|--------------|--------------|---------------|---------------|---------------|--------------|--------------|--------------|--------------|------------|------------|------------|------------|------------|
|  |               | Jan. 18.    | Jan. 25.   | Feb. 1.    | Feb. 8.      | Feb. 15.     | Feb. 22.      | Mar. 1.       | Mar. 8.       | Mar. 15.     | Mar. 22.     | Mar. 29.     | Apl. 5.      | Apl. 12.   | Apl. 19.   | Apl. 26.   | May 3.     | May 10.    |
| LONDON                                 | ...           | 44<br>0·6   | 36<br>0·5  | 68<br>0·9  | 123<br>1·6   | 368<br>4·9   | 729<br>9·6    | 825<br>10·9   | 590<br>7·8    | 359<br>4·7   | 216<br>2·8   | 119<br>1·6   | 106<br>1·4   | 91<br>1·2  | 81<br>1·1  | 44<br>0·6  | 40<br>0·5  | 27<br>0·4  |
| COUNTY BOROUGHES.                      |               |             |            |            |              |              |               |               |               |              |              |              |              |            |            |            |            |            |
| North                                  | ...           | 123<br>1·1  | 131<br>1·1 | 152<br>1·3 | 429<br>3·7   | 836<br>7·2   | 1,624<br>14·0 | 1,872<br>16·1 | 1,497<br>12·9 | 909<br>7·8   | 523<br>4·5   | 363<br>3·1   | 221<br>1·9   | 157<br>1·4 | 112<br>1·0 | 80<br>0·7  | 60<br>0·5  | 63<br>0·5  |
| Midlands                               | ...           | 40<br>0·6   | 34<br>0·5  | 43<br>0·6  | 74<br>1·1    | 236<br>3·5   | 545<br>8·0    | 712<br>10·5   | 632<br>9·3    | 511<br>7·5   | 331<br>4·9   | 227<br>3·3   | 129<br>1·9   | 98<br>1·4  | 76<br>1·1  | 43<br>0·6  | 37<br>0·5  | 24<br>0·4  |
| South                                  | ...           | 20<br>0·9   | 17<br>0·7  | 23<br>1·0  | 39<br>1·7    | 90<br>4·0    | 183<br>8·1    | 251<br>11·1   | 171<br>7·5    | 128<br>5·6   | 67<br>3·0    | 52<br>2·3    | 44<br>1·9    | 36<br>1·6  | 25<br>1·1  | 17<br>0·7  | 15<br>0·7  | 7<br>0·3   |
| Wales                                  | ...           | 10<br>1·1   | 11<br>1·2  | 7<br>0·8   | 14<br>1·6    | 12<br>1·3    | 52<br>5·8     | 88<br>9·8     | 63<br>9·9     | 50<br>7·0    | 39<br>5·5    | 28<br>4·3    | 20<br>3·1    | 24<br>2·2  | 8<br>2·7   | 8<br>0·9   | 5<br>0·9   | 5<br>0·6   |
| Total                                  | ...           | 193<br>0·9  | 193<br>0·9 | 225<br>1·0 | 556<br>2·6   | 1,174<br>5·4 | 2,404<br>11·1 | 2,923<br>13·5 | 2,389<br>11·1 | 1,611<br>7·5 | 971<br>4·5   | 681<br>3·2   | 422<br>2·0   | 311<br>1·4 | 237<br>1·1 | 148<br>0·7 | 120<br>0·6 | 99<br>0·5  |
| OTHER TOWNS OF OVER 20,000 POPULATION. |               |             |            |            |              |              |               |               |               |              |              |              |              |            |            |            |            |            |
| North                                  | ...           | 24<br>0·8   | 31<br>1·1  | 49<br>1·7  | 72<br>2·5    | 198<br>6·8   | 302<br>10·4   | 413<br>14·2   | 406<br>14·0   | 263<br>9·1   | 143<br>4·9   | 98<br>3·4    | 67<br>2·3    | 44<br>1·5  | 43<br>1·5  | 31<br>1·1  | 21<br>0·7  | 15<br>0·5  |
| Midlands                               | ...           | 33<br>0·7   | 33<br>0·7  | 35<br>0·8  | 67<br>1·5    | 187<br>4·1   | 334<br>7·3    | 420<br>9·2    | 334<br>7·3    | 238<br>5·2   | 143<br>3·1   | 97<br>2·1    | 76<br>1·7    | 61<br>1·3  | 59<br>1·3  | 28<br>0·6  | 29<br>0·6  | 18<br>0·4  |
| South                                  | ...           | 13<br>0·6   | 7<br>0·3   | 13<br>0·6  | 27<br>1·3    | 71<br>3·5    | 155<br>7·6    | 189<br>9·3    | 149<br>7·3    | 93<br>4·6    | 57<br>2·8    | 30<br>1·5    | 23<br>1·1    | 22<br>1·1  | 24<br>1·2  | 11<br>0·5  | 8<br>0·4   | 5<br>0·2   |
| Wales                                  | ...           | 11<br>0·9   | 8<br>0·7   | 5<br>0·4   | 11<br>0·9    | 21<br>1·8    | 58<br>4·9     | 72<br>6·1     | 78<br>6·6     | 69<br>5·8    | 35<br>2·9    | 44<br>3·7    | 32<br>2·7    | 29<br>2·4  | 19<br>1·6  | 14<br>1·2  | 18<br>1·5  | 5<br>0·4   |
| Total                                  | ...           | 81<br>0·8   | 79<br>0·7  | 102<br>1·0 | 177<br>1·7   | 477<br>4·5   | 849<br>7·9    | 1,094<br>10·2 | 967<br>9·0    | 663<br>6·2   | 378<br>3·5   | 269<br>2·5   | 198<br>1·8   | 156<br>1·5 | 145<br>1·4 | 84<br>0·8  | 76<br>0·7  | 43<br>0·4  |
| REMAINDER OF ADMINISTRATIVE COUNTIES.  |               |             |            |            |              |              |               |               |               |              |              |              |              |            |            |            |            |            |
| North                                  | ...           | 74<br>1·0   | 67<br>0·9  | 103<br>1·4 | 157<br>2·2   | 376<br>5·2   | 741<br>10·2   | 983<br>13·6   | 901<br>12·4   | 700<br>9·7   | 393<br>5·4   | 248<br>3·4   | 140<br>1·9   | 103<br>1·4 | 90<br>1·2  | 54<br>0·7  | 65<br>0·9  | 37<br>0·5  |
| Midlands                               | ...           | 93<br>1·0   | 65<br>0·7  | 78<br>0·9  | 138<br>1·5   | 233<br>2·6   | 499<br>5·5    | 709<br>7·9    | 690<br>7·7    | 605<br>6·7   | 435<br>4·8   | 276<br>3·1   | 191<br>2·1   | 189<br>2·1 | 129<br>1·4 | 96<br>1·1  | 64<br>0·7  | 45<br>0·5  |
| South                                  | ...           | 58<br>1·0   | 48<br>0·8  | 47<br>0·8  | 74<br>1·3    | 200<br>3·5   | 370<br>6·5    | 404<br>7·1    | 421<br>7·4    | 316<br>5·6   | 192<br>3·4   | 128<br>2·2   | 101<br>1·8   | 81<br>1·4  | 49<br>0·9  | 41<br>0·7  | 30<br>0·5  | 17<br>0·3  |
| Wales                                  | ...           | 38<br>1·6   | 12<br>0·5  | 25<br>1·0  | 38<br>1·6    | 83<br>3·5    | 172<br>7·2    | 200<br>8·4    | 196<br>8·2    | 148<br>6·2   | 129<br>5·4   | 95<br>4·0    | 86<br>3·6    | 57<br>2·4  | 47<br>2·0  | 27<br>1·1  | 18<br>0·8  | 18<br>0·8  |
| Total                                  | ...           | 263<br>1·1  | 192<br>0·8 | 253<br>1·0 | 407<br>1·7   | 892<br>3·7   | 1,782<br>7·3  | 2,296<br>9·4  | 2,208<br>9·1  | 1,769<br>7·3 | 1,149<br>4·7 | 747<br>3·1   | 518<br>2·1   | 430<br>1·8 | 315<br>1·3 | 218<br>0·9 | 177<br>0·7 | 117<br>0·5 |
| ALL AREAS.                             |               |             |            |            |              |              |               |               |               |              |              |              |              |            |            |            |            |            |
| North                                  | ...           | 221<br>1·0  | 228<br>1·1 | 304<br>1·4 | 658<br>3·0   | 1,410<br>6·5 | 2,667<br>12·3 | 3,268<br>15·0 | 2,804<br>12·9 | 1,872<br>8·6 | 1,059<br>4·9 | 709<br>3·3   | 428<br>2·0   | 304<br>1·4 | 245<br>1·1 | 165<br>0·8 | 146<br>0·7 | 115<br>0·5 |
| Midlands                               | ...           | 166<br>0·8  | 132<br>0·6 | 156<br>0·8 | 279<br>1·4   | 656<br>3·2   | 1,378<br>6·8  | 1,841<br>9·0  | 1,656<br>8·1  | 1,354<br>6·6 | 909<br>4·5   | 600<br>2·9   | 396<br>1·9   | 348<br>1·7 | 264<br>1·3 | 167<br>0·8 | 130<br>0·6 | 87<br>0·4  |
| South                                  | ...           | 135<br>0·8  | 108<br>0·6 | 151<br>0·9 | 263<br>1·5   | 729<br>4·1   | 1,437<br>8·2  | 1,669<br>9·5  | 1,331<br>7·6  | 896<br>5·1   | 532<br>3·0   | 329<br>1·9   | 274<br>1·6   | 230<br>1·3 | 179<br>1·0 | 113<br>0·6 | 93<br>0·5  | 56<br>0·3  |
| Wales                                  | ...           | 59<br>1·3   | 31<br>0·7  | 37<br>0·8  | 63<br>1·4    | 116<br>2·6   | 282<br>6·3    | 360<br>8·0    | 363<br>8·1    | 280<br>6·3   | 214<br>4·8   | 178<br>4·0   | 146<br>3·3   | 106<br>2·4 | 90<br>2·0  | 49<br>1·1  | 44<br>1·0  | 28<br>0·6  |
| ENGLAND AND WALES                      | Civilians     | 581<br>0·9  | 500<br>0·8 | 648<br>1·0 | 1,263<br>2·0 | 2,911<br>4·5 | 5,764<br>9·0  | 7,138<br>11·1 | 6,154<br>9·6  | 4,402<br>6·9 | 2,714<br>4·2 | 1,816<br>2·8 | 1,244<br>1·9 | 988<br>1·5 | 778<br>1·2 | 494<br>0·8 | 413<br>0·6 | 286<br>0·4 |
|  | Non-Civilians | 43          | 48         | 87         | 214          | 402          | 584           | 578           | 327           | 184          | 98           | 82           | 68           | 53         | 37         | 16         | 13         | 6          |
|  | Total         | 624         | 548        | 735        | 1,477        | 3,313        | 6,348         | 7,716         | 6,481         | 4,586        | 2,812        | 1,898        | 1,312        | 1,041      | 815        | 510        | 426        | 292        |



TABLE XXI.—DEATHS of CIVILIANS CLASSED to INFLUENZA, 23RD JUNE, 1918, to 10TH MAY, 1919.—  
ASSOCIATED CAUSES of DEATH.

TABLE A, see pages 30 and 31.

| —                               | Sex | All Ages. | Under 1 year. | 1—  | 5—  | 10— | 15— | 20— | 25— | 30— | 35— | 40— | 45— | 55— | 65— | 75— |
|---------------------------------|-----|-----------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Influenza (unqualified) ...     | M   | 6,558     | 368           | 549 | 352 | 248 | 331 | 234 | 433 | 474 | 357 | 329 | 776 | 723 | 825 | 559 |
|                                 | F   | 8,173     | 267           | 564 | 378 | 310 | 470 | 555 | 766 | 723 | 511 | 388 | 780 | 757 | 902 | 802 |
| Cerebral influenza ...          | M   | 3         | —             | —   | 1   | —   | —   | —   | —   | 2   | —   | —   | —   | —   | —   | —   |
|                                 | F   | 7         | —             | 2   | 1   | 1   | —   | —   | 1   | 1   | 1   | —   | —   | —   | —   | —   |
| Gastric influenza ...           | M   | 28        | 1             | 3   | 2   | 4   | —   | 3   | 1   | 1   | 2   | 1   | 2   | 3   | 3   | 2   |
|                                 | F   | 41        | —             | 4   | 4   | 2   | 3   | —   | 4   | 2   | 2   | —   | 5   | 4   | 7   | 4   |
| Croup ...                       | M   | 13        | 1             | 9   | 3   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|                                 | F   | 5         | —             | 4   | 1   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
| Pyæmia ...                      | M   | 2         | —             | —   | 1   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|                                 | F   | 9         | —             | 1   | —   | —   | 1   | —   | 2   | —   | —   | —   | 4   | —   | 1   | —   |
| Septicæmia ...                  | M   | 54        | 1             | 1   | 2   | 7   | 5   | 4   | 7   | 7   | 3   | 2   | 8   | 4   | 3   | —   |
|                                 | F   | 67        | 2             | 6   | 1   | 6   | 6   | 12  | 10  | 7   | 5   | 2   | 6   | 2   | 2   | —   |
| Septicæmia, broncho-pneumonia   | M   | 5         | —             | 2   | —   | 1   | —   | —   | —   | —   | —   | 1   | —   | —   | 1   | —   |
|                                 | F   | 9         | —             | —   | —   | —   | 1   | —   | —   | 5   | 2   | —   | —   | 1   | —   | —   |
| Septicæmia, pneumonia ...       | M   | 9         | —             | —   | —   | —   | —   | 1   | 3   | 1   | 2   | —   | —   | 2   | —   | —   |
|                                 | F   | 20        | —             | 1   | 1   | —   | 2   | 6   | 4   | 1   | 2   | 1   | 1   | —   | 1   | —   |
| Pulmonary tuberculosis          | M   | 14        | —             | —   | —   | —   | 1   | 2   | 3   | 4   | 2   | —   | 2   | —   | —   | —   |
|                                 | F   | 7         | 1             | —   | —   | 1   | 2   | —   | 1   | —   | 1   | —   | —   | —   | 1   | —   |
| Acute phthisis ...              | M   | 23        | —             | 1   | —   | 1   | 1   | 3   | 5   | 4   | 1   | 3   | 2   | 1   | 1   | —   |
|                                 | F   | 30        | —             | —   | 1   | 2   | 4   | 7   | 5   | 1   | 4   | 1   | 5   | —   | —   | —   |
| Acute miliary tuberculosis      | M   | 10        | —             | 1   | —   | 2   | 1   | 1   | 2   | 1   | —   | —   | —   | 2   | —   | —   |
|                                 | F   | 15        | —             | 1   | 1   | —   | 1   | 2   | 3   | 3   | 1   | 1   | 2   | —   | —   | —   |
| Tuberculous meningitis ...      | M   | 19        | 2             | 6   | 3   | 3   | 2   | —   | 2   | 1   | —   | —   | —   | —   | —   | —   |
|                                 | F   | 6         | —             | 2   | —   | 2   | 1   | 1   | —   | —   | —   | —   | —   | —   | —   | —   |
| Rickets ...                     | M   | 7         | 3             | 3   | —   | —   | 1   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|                                 | F   | 6         | 1             | 3   | 1   | 1   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
| Rheumatic fever ...             | M   | 6         | —             | —   | —   | 3   | —   | —   | —   | —   | 2   | 1   | —   | —   | —   | —   |
|                                 | F   | 20        | —             | —   | —   | 2   | —   | 1   | 4   | 1   | 3   | 3   | 2   | 1   | 3   | —   |
| Chronic rheumatism ...          | M   | 8         | —             | —   | —   | —   | —   | —   | 1   | —   | —   | —   | 1   | 3   | 1   | 2   |
|                                 | F   | 10        | —             | —   | —   | 1   | —   | —   | 1   | —   | 1   | —   | 1   | 2   | 2   | 2   |
| Rheumatoid arthritis ...        | M   | 7         | —             | —   | —   | —   | —   | —   | 1   | —   | —   | 1   | 2   | 1   | 2   | —   |
|                                 | F   | 31        | —             | —   | —   | —   | —   | —   | 1   | 2   | 1   | 2   | 7   | 7   | 9   | 2   |
| Diabetes ...                    | M   | 79        | —             | 1   | 3   | 5   | 4   | 4   | 8   | 13  | 9   | 6   | 15  | 4   | 5   | 2   |
|                                 | F   | 84        | —             | 1   | —   | 1   | 7   | 11  | 3   | 14  | 6   | 4   | 13  | 9   | 12  | 3   |
| Diabetes, pneumonia             | M   | 14        | —             | —   | —   | —   | 1   | 1   | 1   | 4   | 2   | 1   | 1   | 2   | 1   | —   |
|                                 | F   | 5         | —             | —   | —   | —   | 1   | —   | —   | —   | 2   | —   | —   | 1   | 1   | —   |
| Exophthalmic goitre ...         | M   | 3         | —             | —   | —   | —   | —   | —   | 1   | —   | 1   | —   | 1   | —   | —   | —   |
|                                 | F   | 32        | —             | —   | —   | —   | 1   | 2   | 8   | 5   | 6   | 5   | 4   | —   | 1   | —   |
| Graves' disease ...             | M   | 4         | —             | —   | —   | —   | 1   | 1   | 1   | —   | —   | 1   | —   | —   | —   | —   |
|                                 | F   | 17        | —             | —   | —   | —   | —   | 1   | 3   | —   | 3   | 2   | 6   | —   | 1   | 1   |
| Pernicious anæmia ...           | M   | 17        | —             | 1   | 1   | —   | —   | 2   | —   | 2   | 1   | 2   | 5   | 3   | —   | —   |
|                                 | F   | 15        | —             | —   | —   | —   | —   | 1   | 1   | 3   | 1   | 2   | 5   | 2   | —   | —   |
| Anæmia ...                      | M   | 4         | —             | 1   | —   | —   | —   | 1   | —   | 1   | —   | —   | —   | —   | 1   | —   |
|                                 | F   | 35        | —             | 1   | 1   | 2   | 2   | 5   | 8   | 3   | 5   | 4   | 3   | —   | 1   | —   |
| Purpura ...                     | M   | 4         | 1             | —   | —   | 1   | —   | —   | 1   | —   | —   | —   | 1   | —   | —   | —   |
|                                 | F   | 8         | 1             | 2   | —   | 1   | —   | 1   | 2   | —   | —   | 1   | —   | —   | —   | —   |
| Toxæmia ...                     | M   | 178       | 4             | 16  | 15  | 10  | 21  | 8   | 17  | 22  | 22  | 12  | 15  | 10  | 4   | 2   |
|                                 | F   | 203       | 4             | 18  | 13  | 12  | 20  | 28  | 40  | 23  | 6   | 7   | 11  | 10  | 10  | 1   |
| Toxæmia, broncho-pneumonia      | M   | 22        | —             | —   | 1   | 2   | 3   | 2   | 5   | 2   | 3   | 1   | 1   | —   | —   | —   |
|                                 | F   | 34        | —             | 1   | 6   | 1   | 1   | 6   | 7   | 3   | 1   | 1   | 4   | 3   | —   | —   |
| Toxæmia, lobar pneumonia        | M   | 2         | —             | —   | —   | —   | —   | 1   | —   | 1   | —   | —   | —   | —   | —   | —   |
|                                 | F   | 10        | —             | —   | —   | —   | 1   | —   | 2   | 5   | 1   | —   | 1   | —   | —   | —   |
| Toxæmia, double pneumonia       | M   | 3         | —             | —   | 1   | —   | —   | —   | 1   | 1   | —   | —   | —   | —   | —   | —   |
|                                 | F   | 7         | —             | —   | —   | —   | —   | 1   | 1   | 2   | 1   | —   | 2   | —   | —   | —   |
| Toxæmia, septic pneumonia       | M   | 7         | —             | —   | 2   | —   | —   | —   | —   | 1   | 2   | 1   | 1   | —   | —   | —   |
|                                 | F   | 4         | —             | —   | —   | —   | —   | 1   | 1   | —   | —   | —   | 1   | 1   | —   | —   |
| Toxæmia, pneumonia ...          | M   | 60        | —             | 3   | 4   | 4   | 7   | 4   | 8   | 10  | 4   | 4   | 7   | 3   | 2   | —   |
|                                 | F   | 58        | —             | 3   | 7   | 2   | 6   | 7   | 11  | 5   | 3   | 1   | 6   | 4   | 3   | —   |
| Cerebritis ...                  | M   | 7         | —             | —   | 1   | —   | 2   | —   | 2   | 1   | —   | 1   | —   | —   | —   | —   |
|                                 | F   | 5         | —             | —   | —   | 1   | —   | 1   | —   | —   | 1   | 1   | 1   | —   | —   | —   |
| Encephalitis ...                | M   | 33        | —             | 3   | 3   | 1   | 5   | 1   | 1   | 3   | 5   | 3   | 4   | 2   | 1   | 1   |
|                                 | F   | 30        | —             | 2   | 2   | 1   | 3   | 4   | 5   | 2   | —   | 4   | 3   | 4   | —   | —   |
| Encephalitis lethargica ...     | M   | 4         | —             | —   | —   | 1   | —   | —   | 1   | —   | 1   | —   | —   | 1   | —   | —   |
|                                 | F   | 3         | —             | 2   | 3   | 1   | —   | —   | —   | —   | —   | 2   | —   | —   | —   | —   |
| Basal meningitis ...            | M   | 5         | —             | 1   | 2   | 1   | 1   | —   | —   | —   | —   | —   | —   | 1   | 1   | —   |
|                                 | F   | 7         | —             | —   | 2   | —   | 1   | —   | 1   | —   | —   | 1   | —   | —   | —   | —   |
| Septic meningitis...            | M   | 2         | —             | 1   | 1   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|                                 | F   | 8         | —             | 1   | 1   | 1   | 4   | —   | —   | —   | —   | 1   | —   | —   | —   | —   |
| Cerebro-spinal meningitis       | M   | 15        | —             | 1   | 3   | 3   | 2   | 2   | 2   | 1   | —   | —   | —   | —   | —   | —   |
|                                 | F   | 8         | —             | 2   | 1   | 2   | 1   | —   | —   | —   | 2   | —   | —   | —   | —   | —   |
| Cerebral meningitis ...         | M   | 91        | 3             | 16  | 15  | 6   | 15  | 5   | 5   | 8   | 2   | 3   | 6   | 7   | —   | —   |
|                                 | F   | 75        | 3             | 12  | 15  | 5   | 9   | 6   | 4   | 8   | 5   | 3   | 4   | 1   | —   | —   |
| Meningitis ...                  | M   | 804       | 52            | 208 | 138 | 97  | 65  | 19  | 50  | 42  | 34  | 33  | 37  | 23  | 5   | 1   |
|                                 | F   | 842       | 25            | 186 | 149 | 84  | 80  | 73  | 71  | 53  | 31  | 26  | 33  | 20  | 8   | 3   |
| Meningitis, convulsions...      | M   | 15        | 5             | 3   | 5   | 1   | —   | —   | —   | 1   | —   | —   | —   | —   | —   | —   |
|                                 | F   | 15        | —             | 4   | 6   | 1   | 2   | —   | 1   | 1   | —   | —   | —   | —   | —   | —   |
| Meningitis, otitis media        | M   | 11        | 1             | 1   | 2   | —   | —   | 2   | 1   | —   | —   | 1   | —   | —   | —   | —   |
|                                 | F   | 5         | —             | —   | 2   | 1   | 1   | —   | —   | —   | —   | —   | 1   | —   | —   | —   |
| Meningitis, bronchitis ...      | M   | 14        | 2             | 4   | 4   | —   | 2   | —   | —   | —   | —   | 1   | —   | —   | —   | —   |
|                                 | F   | 6         | 1             | 3   | —   | —   | —   | —   | 1   | 1   | —   | —   | —   | —   | —   | —   |
| Meningitis, broncho-pneumonia   | M   | 58        | 6             | 22  | 13  | 5   | 6   | 1   | 1   | 2   | 1   | —   | 1   | —   | —   | —   |
|                                 | F   | 53        | 3             | 27  | 7   | 5   | 4   | —   | 1   | 6   | —   | 1   | —   | —   | 1   | —   |
| Meningitis, lobar pneumonia     | M   | 10        | 1             | 1   | 1   | —   | —   | 1   | 1   | —   | —   | —   | —   | 1   | —   | —   |
|                                 | F   | 9         | —             | 3   | 1   | 1   | 1   | 1   | 1   | —   | —   | —   | —   | —   | —   | —   |
| Meningitis, double pneumonia... | M   | 8         | —             | 1   | 1   | 1   | 2   | —   | 1   | 1   | —   | —   | 1   | —   | —   | —   |
|                                 | F   | 5         | —             | 1   | —   | —   | —   | —   | 1   | 2   | 1   | —   | —   | —   | —   | —   |

TABLE XXI.—DEATHS of CIVILIANS CLASSED to INFLUENZA: ASSOCIATED CAUSES—*continued*.

|   |   | All<br>Ages. | Under<br>1 year. | 1—  | 5— | 10— | 15— | 20— | 25— | 30— | 35— | 40— | 45— | 55— | 65— | 75— |
|---|---|--------------|------------------|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Meningitis, pneumonia ...               | M | 146          | 8                | 30  | 22 | 11  | 15  | 9   | 14  | 9   | 9   | 5   | 11  | 3   | —   | —   |
|   | F | 148          | —                | 37  | 23 | 13  | 19  | 21  | 10  | 12  | 7   | 2   | 1   | 3   | —   | —   |
| Meningitis, coma ...                    | M | 16           | —                | 4   | 2  | 1   | 3   | —   | —   | 1   | —   | 1   | 3   | 1   | —   | —   |
|   | F | 14           | 1                | 3   | 3  | —   | 2   | 1   | 1   | 1   | 1   | —   | 1   | —   | —   | —   |
| Locomotor ataxy ...                     | M | 21           | —                | —   | —  | —   | —   | —   | 1   | 4   | —   | 3   | 9   | 3   | 1   | —   |
|   | F | 6            | —                | —   | —  | —   | —   | —   | —   | —   | 2   | 1   | 1   | 1   | 1   | —   |
| Tabes dorsalis ...                      | M | 9            | —                | —   | —  | —   | —   | —   | 2   | —   | —   | 2   | 3   | 2   | —   | —   |
|   | F | 1            | —                | —   | —  | —   | —   | —   | —   | —   | —   | —   | 1   | —   | —   | —   |
| Paralysis agitans ...                   | M | 13           | —                | —   | —  | —   | —   | 1   | —   | —   | —   | 1   | —   | 1   | 7   | 3   |
|   | F | 4            | —                | —   | —  | —   | —   | —   | —   | —   | —   | —   | —   | 2   | 2   | —   |
| Infantile paralysis ...                 | M | 5            | 1                | 1   | 1  | —   | 2   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|   | F | 6            | —                | 1   | 2  | 1   | 1   | 1   | —   | —   | —   | —   | —   | —   | —   | —   |
| Disseminated sclerosis ...              | M | 11           | —                | —   | —  | —   | —   | —   | —   | 5   | 2   | 3   | —   | 1   | —   | —   |
|   | F | 10           | —                | —   | —  | —   | —   | 1   | —   | 2   | 2   | 1   | 2   | 2   | —   | —   |
| Myelitis ...                            | M | 8            | —                | —   | —  | —   | 1   | 1   | 1   | —   | —   | —   | 4   | 1   | —   | —   |
|   | F | 5            | —                | —   | —  | —   | 1   | —   | —   | 1   | 1   | 1   | —   | 1   | —   | —   |
| Apoplexy ...                            | M | 26           | —                | —   | —  | —   | 1   | —   | —   | 1   | —   | 3   | 6   | 5   | 8   | 2   |
|   | F | 29           | —                | —   | —  | 1   | —   | —   | —   | 1   | 1   | 3   | 8   | 4   | 3   | 5   |
| Cerebral congestion ...                 | M | 18           | 2                | 2   | —  | 1   | 1   | —   | 1   | 2   | —   | 1   | 4   | —   | 3   | 2   |
|   | F | 31           | —                | 6   | 2  | 3   | 2   | 2   | 2   | 3   | 2   | 2   | 5   | 1   | 1   | —   |
| Cerebral hæmorrhage ...                 | M | 81           | —                | 1   | —  | 2   | 1   | 5   | 1   | 2   | 2   | 3   | 10  | 22  | 23  | 19  |
|   | F | 102          | —                | —   | 1  | —   | 1   | 3   | 6   | 4   | 5   | 5   | 26  | 17  | 25  | 14  |
| Cerebral hæmorrhage, bronchitis         | M | 10           | —                | —   | —  | —   | —   | —   | —   | —   | 1   | 1   | 2   | 2   | 4   | —   |
|   | F | 9            | —                | —   | —  | —   | —   | —   | —   | —   | —   | 1   | 1   | 1   | 5   | 1   |
| Cerebral hæmorrhage, pneumonia          | M | 8            | —                | —   | —  | —   | —   | —   | —   | 2   | 1   | —   | 2   | 3   | —   | —   |
|   | F | 11           | —                | —   | —  | —   | —   | —   | —   | —   | —   | 3   | 2   | 2   | 4   | —   |
| Hemiplegia ...                          | M | 26           | —                | 1   | —  | —   | —   | —   | 2   | 1   | 1   | —   | 4   | 5   | 8   | 4   |
|   | F | 27           | —                | —   | 1  | —   | —   | 1   | —   | —   | 1   | —   | 4   | 5   | 8   | 7   |
| Hemiplegia, broncho-pneumonia           | M | 2            | —                | —   | —  | —   | —   | —   | —   | —   | —   | —   | —   | 1   | 1   | —   |
|   | F | 9            | —                | —   | —  | —   | —   | 1   | —   | —   | 1   | —   | 2   | 1   | 3   | —   |
| Paraplegia ...                          | M | 10           | —                | —   | —  | —   | —   | 1   | —   | —   | —   | —   | 2   | 3   | 2   | —   |
|   | F | 5            | —                | —   | —  | 1   | —   | —   | —   | 1   | —   | —   | 1   | 2   | —   | —   |
| Paralysis ...                           | M | 7            | —                | —   | 2  | —   | —   | —   | —   | —   | —   | —   | 1   | 2   | 1   | —   |
|   | F | 6            | —                | —   | —  | —   | —   | —   | 1   | —   | —   | 1   | —   | 2   | 2   | —   |
| General paralysis of insane             | M | 22           | —                | —   | —  | —   | —   | 1   | 1   | 2   | 4   | 4   | 7   | 3   | —   | —   |
|   | F | 5            | —                | —   | —  | —   | —   | —   | —   | —   | 4   | 1   | —   | —   | —   | —   |
| Dementia ...                            | M | 18           | —                | —   | —  | —   | —   | —   | 2   | 1   | 2   | —   | 4   | 3   | 5   | 1   |
|   | F | 17           | —                | —   | —  | —   | —   | —   | 2   | 2   | 2   | 1   | 6   | 1   | 2   | 1   |
| Dementia, pneumonia ...                 | M | 12           | —                | —   | —  | —   | —   | 1   | 3   | —   | 1   | 1   | 2   | 2   | 1   | 1   |
|   | F | 9            | —                | —   | —  | —   | —   | 1   | —   | 1   | 2   | —   | 2   | 1   | 2   | —   |
| Mania ...                               | M | 11           | —                | —   | —  | —   | —   | 1   | 1   | 2   | 1   | 2   | 2   | 1   | 1   | —   |
|   | F | 45           | —                | —   | —  | —   | 3   | 3   | 8   | 10  | 5   | 3   | 7   | 2   | 4   | —   |
| Mania, pneumonia ...                    | M | 10           | —                | —   | —  | —   | —   | —   | 1   | 2   | 1   | 2   | 2   | —   | 2   | —   |
|   | F | 12           | —                | —   | —  | —   | —   | —   | 1   | 3   | 2   | 2   | 4   | —   | —   | —   |
| Melancholia ...                         | M | 2            | —                | —   | —  | —   | —   | —   | —   | —   | —   | —   | 2   | —   | —   | —   |
|   | F | 8            | —                | —   | —  | —   | —   | —   | 1   | —   | 2   | 1   | 1   | 2   | 1   | —   |
| Melancholia, pneumonia                  | M | 4            | —                | —   | —  | —   | —   | —   | —   | 1   | —   | 1   | 1   | 1   | —   | —   |
|   | F | 6            | —                | —   | —  | —   | —   | —   | —   | 1   | 1   | 2   | 1   | 1   | —   | —   |
| Epilepsy ...                            | M | 72           | —                | —   | 1  | 4   | 8   | 6   | 15  | 11  | 5   | 6   | 7   | 5   | 4   | —   |
|   | F | 101          | —                | 4   | 4  | —   | 14  | 8   | 14  | 22  | 10  | 1   | 10  | 7   | 6   | 1   |
| Epilepsy, bronchitis ...                | M | 2            | —                | —   | —  | —   | 1   | —   | —   | —   | —   | —   | —   | —   | 1   | —   |
|   | F | 8            | —                | —   | —  | —   | 1   | —   | 2   | 2   | —   | —   | 1   | 1   | —   | 1   |
| Epilepsy, broncho-pneumonia ...         | M | 12           | —                | 2   | 1  | —   | —   | 2   | 5   | 2   | —   | —   | —   | —   | —   | —   |
|   | F | 4            | —                | —   | —  | —   | 2   | 1   | —   | —   | —   | —   | 1   | —   | —   | —   |
| Epilepsy, pneumonia ...                 | M | 30           | —                | 1   | 1  | 2   | 5   | 6   | 4   | 5   | 3   | 2   | —   | —   | 1   | —   |
|   | F | 35           | —                | —   | —  | 3   | 4   | 5   | 14  | 4   | 1   | —   | 3   | 1   | —   | —   |
| Convulsions with teething               | M | 9            | 3                | 6   | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|   | F | 12           | 6                | 6   | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
| Convulsions ...                         | M | 502          | 178              | 239 | 56 | 15  | 4   | 4   | —   | 1   | —   | 2   | 1   | 1   | 1   | —   |
|   | F | 439          | 105              | 264 | 43 | 9   | 6   | 5   | 1   | 5   | —   | —   | —   | 1   | —   | —   |
| Convulsions, bronchitis ...             | M | 51           | 18               | 30  | 3  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|   | F | 36           | 10               | 22  | 2  | 1   | —   | 1   | —   | —   | —   | —   | —   | —   | —   | —   |
| Convulsions, broncho-pneumonia          | M | 86           | 30               | 47  | 4  | 2   | 1   | —   | —   | —   | —   | —   | 2   | —   | —   | —   |
|   | F | 86           | 19               | 59  | 7  | —   | —   | 1   | —   | —   | —   | —   | —   | —   | —   | —   |
| Convulsions, pneumonia ...              | M | 51           | 11               | 31  | 3  | 2   | 1   | —   | 1   | —   | —   | —   | 2   | —   | —   | —   |
|   | F | 45           | 7                | 24  | 8  | 2   | 1   | —   | 1   | —   | —   | 1   | —   | 1   | —   | —   |
| Convulsions, pulmonary conges-<br>tion. | M | 5            | 2                | 2   | 1  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|   | F | 5            | —                | 5   | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
| Chorea ...                              | M | 3            | —                | —   | —  | —   | 1   | —   | —   | —   | 1   | —   | —   | —   | —   | 1   |
|   | F | 8            | —                | —   | 1  | 1   | 3   | 1   | —   | 1   | —   | —   | 1   | —   | —   | —   |
| Neuritis ...                            | M | 7            | —                | —   | —  | —   | —   | 1   | —   | —   | 1   | —   | 3   | 1   | 1   | —   |
|   | F | 6            | —                | —   | —  | —   | —   | —   | 1   | —   | —   | 1   | —   | 3   | —   | —   |
| Imbecility ...                          | M | 14           | —                | —   | 1  | 1   | 1   | 2   | 2   | 3   | 1   | 2   | —   | —   | 1   | —   |
|   | F | 21           | —                | 2   | 1  | 1   | 1   | 2   | 3   | —   | 3   | 1   | 4   | 2   | —   | 1   |
| Imbecility, pneumonia ...               | M | 28           | —                | 1   | —  | 1   | 3   | 6   | 8   | 2   | 3   | 1   | 3   | —   | —   | —   |
|   | F | 10           | —                | —   | 2  | 1   | 3   | 2   | 1   | 1   | —   | —   | —   | —   | —   | —   |
| Neurasthenia ...                        | M | 7            | —                | —   | —  | —   | 1   | —   | 1   | 2   | 1   | —   | 2   | —   | —   | —   |
|   | F | 6            | —                | —   | —  | —   | —   | —   | 1   | —   | —   | —   | —   | —   | —   | —   |
| Otitis media ...                        | M | 5            | 2                | 1   | —  | 1   | —   | —   | —   | —   | 1   | —   | —   | 2   | —   | 1   |
|   | F | 7            | 1                | —   | 1  | 1   | —   | —   | —   | 1   | —   | —   | —   | 1   | —   | 1   |
| Pericarditis ...                        | M | 36           | —                | —   | 3  | 1   | 4   | 2   | 5   | 4   | 4   | 2   | 6   | 1   | 4   | —   |
|   | F | 46           | —                | 3   | 1  | 3   | 3   | 7   | 8   | 9   | 1   | 3   | 6   | 1   | 1   | —   |
| Pericarditis, pneumonia                 | M | 21           | —                | 3   | —  | 2   | 3   | 1   | 4   | 3   | 2   | 2   | 1   | —   | —   | —   |
|   | F | 28           | —                | 1   | 1  | 4   | 4   | 4   | 6   | 3   | 2   | —   | —   | 1   | —   | —   |
| Myocarditis ...                         | M | 43           | 3                | 1   | 4  | 1   | 5   | 1   | 3   | 4   | 5   | 5   | 6   | 4   | 1   | —   |
|   | F | 85           | —                | 1   | —  | 6   | 4   | 8   | 15  | 9   | 6   | 11  | 11  | 8   | 5   | 1   |
| Myocarditis, bronchitis ..              | M | 6            | —                | —   | —  | —   | —   | —   | —   | 1   | 1   | 1   | 1   | 2   | —   | 1   |
|   | F | 6            | —                | —   | 1  | —   | —   | —   | 1   | —   | —   | 1   | 1   | 1   | —   | —   |
| Myocarditis, pneumonia                  | M | 4            | —                | 1   | —  | —   | —   | 1   | —   | —   | 1   | —   | —   | 1   | —   | —   |
|   | F | 7            | —                | 1   | —  | —   | —   | 1   | —   | 1   | 2   | —   | —   | 1   | —   | —   |



TABLE XXI.—DEATHS of CIVILIANS CLASSED to INFLUENZA : ASSOCIATED CAUSES—*continued.*

|                                  |   | All<br>Ages. | Under<br>1 year. | 1— | 5— | 10— | 15— | 20— | 25— | 30— | 35— | 40— | 45— | 55— | 65— | 75— |
|----------------------------------|---|--------------|------------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Endocarditis ... ..              | M | 51           | 2                | —  | 1  | 3   | 9   | 1   | 4   | 7   | 3   | 7   | 11  | 3   | —   | —   |
|                                  | F | 94           | —                | 1  | 2  | 7   | 9   | 10  | 13  | 14  | 5   | 7   | 11  | 12  | 3   | —   |
| Endocarditis, broncho-pneu-      | M | 5            | —                | —  | 1  | 1   | 1   | —   | 1   | —   | —   | —   | —   | —   | —   | 1   |
| monia.                           | F | 10           | —                | —  | 1  | —   | 1   | 2   | 2   | 1   | 2   | 1   | —   | —   | —   | —   |
| Endocarditis, pneumonia ...      | M | 9            | —                | —  | —  | —   | 1   | —   | 2   | 1   | 1   | 1   | 3   | —   | —   | —   |
|                                  | F | 15           | —                | 1  | —  | —   | 3   | 4   | 1   | 1   | 2   | 2   | 1   | —   | —   | —   |
| Aortic and mitral disease of     | M | 14           | —                | —  | —  | 2   | 1   | 1   | 3   | 2   | 2   | —   | 2   | 1   | —   | —   |
| heart.                           | F | 7            | —                | —  | —  | —   | —   | —   | 2   | —   | —   | 1   | —   | 3   | —   | 1   |
| Aortic regurgitation ... ..      | M | 8            | —                | —  | —  | —   | —   | —   | —   | 2   | 1   | 3   | —   | 1   | —   | 1   |
|                                  | F | 5            | —                | —  | —  | —   | —   | —   | —   | —   | —   | —   | 3   | —   | —   | —   |
| Aortic regurgitation, pneumonia  | M | 9            | —                | —  | —  | —   | 1   | —   | —   | —   | 1   | 4   | —   | 2   | 1   | —   |
|                                  | F | 4            | —                | —  | —  | —   | —   | —   | 1   | 2   | —   | 1   | —   | —   | —   | —   |
| Aortic disease of heart ... ..   | M | 36           | —                | —  | —  | —   | —   | 2   | 3   | 4   | 3   | 5   | —   | 6   | 8   | —   |
|                                  | F | 13           | —                | —  | —  | 1   | 1   | 1   | 4   | 2   | 1   | —   | —   | 2   | —   | 1   |
| Mitral incompetence ... ..       | M | 13           | —                | —  | —  | 2   | 1   | 2   | —   | 2   | 1   | —   | 3   | 1   | 1   | —   |
|                                  | F | 26           | —                | —  | 1  | —   | 1   | —   | 2   | 4   | 2   | 2   | 7   | 2   | 3   | 2   |
| Mitral regurgitation ... ..      | M | 31           | —                | —  | 2  | 1   | 2   | 2   | 3   | 3   | 5   | 3   | 4   | 2   | 1   | 3   |
|                                  | F | 72           | —                | 1  | —  | 5   | 5   | 3   | 12  | 8   | 6   | 6   | 9   | 8   | 4   | 5   |
| Mitral regurgitation, broncho-   | M | 6            | —                | —  | —  | 1   | —   | —   | —   | 1   | 1   | —   | 1   | 1   | —   | 1   |
| pneumonia.                       | F | 6            | —                | —  | —  | —   | 1   | —   | —   | —   | 1   | 1   | 2   | 1   | —   | —   |
| Mitral regurgitation, pneumonia  | M | 8            | —                | —  | —  | —   | —   | 1   | —   | 2   | —   | 2   | 2   | 1   | —   | —   |
|                                  | F | 24           | —                | —  | —  | 1   | —   | 1   | 6   | 6   | 2   | 2   | 5   | —   | 1   | —   |
| Mitral stenosis ... ..           | M | 24           | —                | —  | —  | —   | 1   | 1   | 5   | 1   | 3   | 2   | 6   | 2   | 3   | —   |
|                                  | F | 56           | —                | —  | —  | —   | 4   | 4   | 15  | 11  | 8   | 5   | 5   | 3   | 1   | —   |
| Mitral stenosis, broncho-pneu-   | M | 3            | —                | —  | —  | —   | —   | —   | —   | —   | 2   | —   | 1   | —   | —   | —   |
| monia.                           | F | 12           | —                | —  | —  | —   | 1   | 2   | 1   | 1   | 6   | —   | —   | 1   | —   | —   |
| Mitral stenosis, pneumonia ...   | M | 10           | —                | —  | —  | —   | 4   | 2   | 1   | 1   | —   | —   | —   | 2   | —   | —   |
|                                  | F | 34           | —                | —  | —  | 1   | —   | 5   | 10  | 6   | 5   | 2   | 4   | 1   | —   | —   |
| Mitral disease of heart ... ..   | M | 86           | —                | —  | 2  | 4   | 8   | 10  | 8   | 14  | 4   | 7   | 10  | 7   | 10  | 2   |
|                                  | F | 189          | —                | —  | —  | 6   | 11  | 19  | 23  | 23  | 19  | 19  | 27  | 17  | 18  | 7   |
| Mitral disease, bronchitis ...   | M | 17           | —                | —  | —  | 1   | —   | 1   | 1   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
|                                  | F | 20           | —                | —  | —  | —   | —   | 1   | 1   | 3   | 1   | 2   | 5   | 4   | 2   | 1   |
| Mitral disease, broncho-pneu-    | M | 14           | —                | —  | 1  | 1   | —   | 1   | 3   | 1   | —   | —   | 2   | 1   | 2   | 2   |
| monia.                           | F | 29           | —                | 1  | 1  | —   | 1   | 6   | 2   | 5   | 2   | 1   | 6   | 2   | 2   | —   |
| Mitral disease, lobar pneumonia  | M | 2            | —                | —  | —  | —   | —   | 1   | —   | —   | —   | —   | —   | —   | —   | —   |
|                                  | F | 12           | —                | —  | —  | 1   | 1   | 1   | 2   | 3   | 2   | 1   | 1   | —   | —   | —   |
| Mitral disease, pneumonia ...    | M | 39           | —                | —  | 1  | 2   | 2   | 4   | 5   | 7   | 3   | 2   | 6   | 4   | 3   | —   |
|                                  | F | 56           | —                | —  | 1  | 1   | 5   | 3   | 11  | 8   | 9   | 4   | 8   | 1   | 5   | —   |
| Chronic endocarditis ... ..      | M | 13           | —                | —  | —  | —   | —   | 1   | —   | 1   | —   | —   | 3   | 3   | 5   | —   |
|                                  | F | 18           | —                | —  | 1  | 1   | —   | 1   | —   | 1   | —   | 1   | 1   | 2   | 9   | 1   |
| Valvular disease of heart ...    | M | 262          | —                | 3  | 8  | 5   | 10  | 28  | 25  | 22  | 24  | 15  | 52  | 26  | 37  | 7   |
|                                  | F | 375          | 1                | 1  | 7  | 11  | 25  | 44  | 46  | 36  | 34  | 26  | 49  | 42  | 39  | 14  |
| Valvular disease of heart, bron- | M | 34           | —                | —  | —  | 1   | 1   | 2   | 2   | 3   | 3   | 1   | 7   | 5   | 5   | 4   |
| chitis.                          | F | 51           | —                | —  | 1  | —   | 1   | 3   | 1   | 6   | 8   | 5   | 9   | 6   | 8   | 3   |
| Valvular disease of heart, bron- | M | 21           | —                | —  | 2  | 2   | 1   | 3   | 2   | 4   | 1   | 1   | 2   | 2   | 1   | —   |
| cho-pneumonia.                   | F | 40           | —                | —  | 1  | 2   | 3   | 5   | 6   | 6   | 4   | 3   | 4   | 3   | —   | 3   |
| Valvular disease of heart, lobar | M | 7            | —                | —  | —  | —   | 1   | 3   | 1   | 2   | —   | —   | —   | —   | —   | —   |
| pneumonia.                       | F | 15           | —                | —  | —  | 1   | 2   | 2   | 3   | 2   | 1   | 1   | 2   | —   | 1   | —   |
| Valvular disease of heart, pneu- | M | 75           | —                | —  | 1  | 1   | 4   | 8   | 24  | 12  | 10  | 6   | 3   | 3   | 3   | —   |
| monia.                           | F | 112          | —                | —  | —  | 9   | 12  | 12  | 15  | 17  | 13  | 13  | 10  | 6   | 5   | —   |
| Valvular disease of heart, pul-  | M | 5            | —                | —  | 1  | —   | —   | —   | 2   | 1   | 1   | —   | —   | —   | —   | —   |
| monary congestion.               | F | 6            | —                | —  | 1  | —   | —   | —   | 1   | 1   | 2   | 1   | —   | —   | —   | —   |
| Fatty degeneration of heart ...  | M | 22           | —                | —  | —  | —   | 1   | —   | 1   | 1   | 1   | 2   | 5   | 7   | 3   | 1   |
|                                  | F | 58           | —                | —  | —  | —   | —   | —   | —   | 3   | 4   | 3   | 15  | 15  | 15  | 3   |
| Fatty degeneration of heart,     | M | 5            | —                | —  | —  | —   | —   | —   | —   | —   | 1   | —   | 1   | 3   | —   | —   |
| bronchitis.                      | F | 12           | —                | —  | —  | —   | —   | —   | —   | 1   | —   | 1   | 2   | 4   | 3   | 1   |
| Fatty degeneration of heart,     | M | 6            | —                | —  | —  | —   | —   | —   | —   | —   | 2   | —   | 2   | 2   | —   | —   |
| pneumonia.                       | F | 4            | —                | —  | —  | —   | —   | —   | —   | 1   | 1   | —   | 1   | —   | 1   | —   |
| Chronic myocarditis ... ..       | M | 20           | —                | —  | —  | —   | —   | —   | —   | —   | —   | —   | 2   | 4   | 10  | 4   |
|                                  | F | 23           | —                | —  | —  | —   | —   | —   | —   | 1   | 1   | 2   | —   | 5   | 7   | 7   |
| Myocardial degeneration ...      | M | 20           | —                | —  | —  | —   | —   | —   | —   | —   | —   | 2   | 1   | 4   | 9   | 4   |
|                                  | F | 35           | —                | —  | —  | —   | —   | —   | 3   | 1   | 1   | 1   | 4   | 7   | 9   | 9   |
| Cardio-vascular degeneration ... | M | 12           | —                | —  | —  | —   | —   | —   | —   | —   | 1   | —   | 1   | 1   | 5   | 3   |
|                                  | F | 12           | —                | —  | —  | —   | —   | —   | —   | —   | —   | —   | 1   | 2   | 4   | 5   |
| Degeneration of heart ... ..     | M | 18           | —                | —  | —  | —   | 1   | —   | —   | —   | —   | —   | 4   | 4   | 8   | 1   |
|                                  | F | 20           | —                | —  | —  | —   | —   | —   | —   | 2   | —   | 1   | 4   | 3   | 6   | 4   |
| Dilatation of heart ... ..       | M | 78           | —                | —  | 1  | 5   | 5   | 4   | 1   | 5   | 8   | 6   | 19  | 12  | 10  | 2   |
|                                  | F | 101          | —                | —  | 2  | 7   | 6   | 6   | 16  | 9   | 11  | 4   | 10  | 14  | 9   | 7   |
| Dilated heart, bronchitis ...    | M | 27           | —                | 1  | —  | —   | 1   | —   | —   | 1   | 1   | 2   | —   | —   | —   | —   |
|                                  | F | 32           | —                | —  | —  | —   | 2   | —   | —   | 2   | 1   | —   | 8   | 11  | 7   | 1   |
| Dilated heart, broncho-pneu-     | M | 9            | —                | 1  | 1  | —   | 2   | —   | 1   | —   | 1   | 1   | —   | 2   | —   | —   |
| monia.                           | F | 11           | —                | 1  | 2  | —   | —   | 2   | 1   | 1   | 1   | —   | 1   | 2   | —   | —   |
| Dilated heart, pneumonia ...     | M | 16           | —                | —  | —  | —   | —   | 2   | 1   | 2   | 4   | 2   | 2   | 1   | 1   | 1   |
|                                  | F | 13           | —                | —  | —  | —   | 2   | 2   | —   | 2   | 2   | 1   | 2   | 1   | 1   | —   |
| Dilated heart, pulmonary con-    | M | 6            | —                | —  | —  | —   | 1   | 1   | 1   | —   | —   | —   | 1   | —   | 1   | —   |
| gestion.                         | F | 8            | —                | —  | —  | —   | —   | —   | 4   | —   | —   | —   | 2   | 1   | 1   | —   |
| Dilated heart, asthma ... ..     | M | 7            | —                | —  | —  | —   | —   | —   | —   | —   | 2   | 1   | —   | 1   | —   | 1   |
|                                  | F | 4            | —                | —  | —  | —   | —   | —   | —   | 1   | —   | —   | 3   | —   | —   | —   |
| Cardiac asthma ... ..            | M | 5            | —                | —  | —  | —   | —   | —   | 1   | —   | —   | —   | 1   | 1   | 2   | —   |
|                                  | F | 7            | —                | —  | —  | —   | —   | —   | 1   | —   | 2   | 1   | 2   | 1   | —   | —   |
| Heart disease ... ..             | M | 254          | 1                | 3  | 6  | 2   | 20  | 22  | 22  | 19  | 18  | 10  | 36  | 41  | 42  | 12  |
|                                  | F | 399          | —                | 1  | —  | 8   | 24  | 32  | 42  | 39  | 36  | 35  | 54  | 54  | 45  | 29  |
| Heart disease, bronchitis ...    | M | 34           | —                | —  | —  | 1   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|                                  | F | 74           | —                | 1  | —  | —   | —   | 1   | 4   | 5   | 6   | 4   | 17  | 16  | 11  | 9   |
| Heart disease, broncho-pneu-     | M | 16           | —                | —  | —  | —   | 2   | 2   | 1   | —   | —   | 1   | 3   | 3   | 2   | 2   |
| monia.                           | F | 25           | —                | 1  | —  | 1   | —   | 5   | 2   | 4   | 3   | 3   | 1   | 3   | 2   | —   |
| Heart disease, pneumonia ...     | M | 69           | —                | —  | 1  | 1   | 4   | 10  | 17  | 7   | 7   | 5   | 5   | 7   | 5   | —   |
|                                  | F | 99           | —                | —  | —  | 4   | 7   | 9   | 24  | 17  | 7   | 10  | 10  | 5   | 5   | —   |
| Heart disease, pulmonary con-    | M | 4            | —                | —  | —  | —   | —   | —   | —   | —   | —   | —   | 1   | 2   | 1   | —   |
| gestion.                         | F | 13           | —                | —  | —  | —   | 2   | —   | 1   | 1   | 2   | 2   | 3   | 2   | —   | —   |

TABLE XXI.—DEATHS of CIVILIANS CLASSED to INFLUENZA : ASSOCIATED CAUSES—*continued.*

| —                                       | Sex | All Ages. | Under 1 year. | 1—    | 5—    | 10— | 15— | 20— | 25—   | 30—   | 35— | 40— | 45—   | 55— | 65—   | 75— |
|---|-----|-----------|---------------|-------|-------|-----|-----|-----|-------|-------|-----|-----|-------|-----|-------|-----|
| Angina pectoris ...                     | M   | 6         | —             | —     | —     | —   | —   | —   | —     | —     | 1   | —   | —     | 2   | 3     | —   |
|   | F   | 6         | —             | —     | —     | —   | —   | 1   | —     | —     | —   | —   | 3     | —   | —     | 2   |
| Arterial sclerosis ...                  | M   | 40        | —             | —     | —     | —   | —   | —   | —     | —     | —   | 1   | 3     | 10  | 9     | 17  |
|   | F   | 25        | —             | —     | —     | —   | —   | —   | —     | —     | —   | 1   | 2     | 5   | 10    | 7   |
| Arterial sclerosis, bronchitis          | M   | 4         | —             | —     | —     | —   | —   | —   | —     | —     | —   | —   | —     | 1   | 2     | 1   |
|   | F   | 6         | —             | —     | —     | —   | —   | —   | —     | —     | —   | —   | —     | 2   | 2     | 2   |
| Cerebral embolism                       | M   | 10        | —             | —     | 1     | 3   | 1   | —   | —     | —     | —   | 1   | 1     | 2   | —     | 1   |
|   | F   | 13        | —             | —     | —     | 2   | —   | 4   | 1     | 1     | —   | 1   | 1     | 2   | 1     | —   |
| Cerebral thrombosis                     | M   | 16        | —             | —     | —     | —   | 1   | —   | —     | —     | —   | —   | 4     | 4   | 6     | 1   |
|   | F   | 23        | —             | —     | —     | 1   | —   | 1   | —     | —     | —   | 2   | 4     | 5   | 7     | 3   |
| Pulmonary embolism                      | M   | 3         | —             | —     | 1     | —   | —   | —   | —     | —     | —   | —   | 1     | —   | —     | —   |
|   | F   | 12        | —             | —     | —     | —   | —   | 2   | 4     | 1     | 3   | 1   | 1     | —   | —     | —   |
| Pulmonary embolism, pneumonia           | M   | 4         | —             | —     | —     | —   | —   | 1   | 1     | —     | —   | —   | 2     | —   | —     | —   |
|   | F   | 8         | —             | —     | —     | —   | —   | 2   | —     | 3     | 1   | —   | 2     | —   | —     | —   |
| Thrombosis                              | M   | 4         | —             | —     | —     | —   | —   | —   | —     | 1     | —   | —   | —     | 1   | 1     | 1   |
|   | F   | 8         | —             | —     | —     | —   | —   | —   | 1     | 3     | —   | 1   | 1     | 1   | —     | —   |
| Tachycardia                             | M   | 4         | —             | —     | —     | —   | —   | —   | —     | —     | 2   | 1   | —     | —   | —     | —   |
|   | F   | 6         | —             | —     | 1     | —   | —   | 2   | 2     | —     | —   | —   | —     | —   | 1     | —   |
| Epistaxis                               | M   | 9         | 2             | 2     | 1     | 1   | 1   | 1   | 1     | —     | —   | —   | —     | —   | —     | —   |
|   | F   | 12        | 1             | 1     | 2     | 2   | 2   | 2   | —     | —     | —   | 1   | —     | —   | 1     | —   |
| Laryngitis                              | M   | 105       | 4             | 43    | 33    | 8   | 4   | —   | 3     | 1     | 1   | 1   | 2     | 2   | 2     | 1   |
|   | F   | 92        | —             | 14    | 27    | 9   | 8   | 11  | 5     | 5     | 3   | 2   | 4     | 2   | 2     | —   |
| Laryngitis, bronchitis                  | M   | 7         | —             | 2     | 3     | —   | 1   | —   | —     | —     | —   | 1   | —     | —   | —     | —   |
|   | F   | 17        | 1             | 5     | 3     | —   | —   | 1   | —     | 1     | —   | 1   | 1     | 2   | 1     | 1   |
| Laryngitis, broncho-pneumonia           | M   | 9         | —             | 4     | 2     | 2   | —   | —   | —     | —     | 1   | —   | —     | —   | —     | —   |
|   | F   | 11        | —             | 3     | —     | —   | 2   | 2   | 1     | 2     | 1   | —   | —     | —   | —     | —   |
| Laryngitis, pneumonia                   | M   | 12        | —             | 4     | 2     | 1   | 2   | —   | —     | —     | 1   | 2   | —     | —   | —     | —   |
|   | F   | 18        | —             | 3     | 1     | 1   | —   | 1   | 3     | 7     | 2   | —   | —     | —   | —     | —   |
| Bronchiectasis                          | M   | 24        | —             | —     | 3     | 1   | 5   | 3   | 3     | 1     | —   | 1   | 5     | 1   | 1     | —   |
|   | F   | 14        | —             | —     | 2     | —   | 2   | 1   | 2     | 1     | 2   | 1   | 1     | 2   | —     | 1   |
| Bronchial catarrh                       | M   | 24        | 6             | 4     | 1     | 1   | —   | —   | —     | —     | —   | —   | —     | —   | —     | —   |
|   | F   | 37        | 5             | 7     | 1     | —   | 1   | 2   | 1     | 1     | 1   | 1   | 2     | 5   | 6     | 4   |
| Bronchiolitis                           | M   | 26        | —             | 3     | —     | 2   | 1   | 3   | 4     | 5     | 1   | 1   | 4     | 1   | 1     | —   |
|   | F   | 28        | —             | —     | —     | 1   | 2   | 4   | 2     | 2     | 5   | —   | 5     | 3   | 3     | 1   |
| Capillary bronchitis                    | M   | 245       | 19            | 43    | 12    | 5   | 14  | 9   | 21    | 21    | 14  | 12  | 33    | 25  | 16    | 1   |
|   | F   | 321       | 13            | 50    | 17    | 8   | 16  | 16  | 30    | 34    | 11  | 16  | 48    | 32  | 19    | 11  |
| Capillary bronchitis, broncho-pneumonia | M   | 9         | —             | 1     | —     | 1   | —   | —   | 2     | 1     | 2   | —   | 2     | —   | —     | —   |
|   | F   | 12        | 1             | 3     | 2     | 1   | —   | 1   | 1     | —     | 1   | —   | 2     | —   | —     | —   |
| Purulent bronchitis                     | M   | 32        | —             | 1     | —     | 1   | 1   | 1   | 1     | 3     | 4   | 1   | 8     | 6   | 4     | 1   |
|   | F   | 15        | —             | —     | —     | —   | 2   | —   | 1     | 1     | 3   | 1   | 5     | 2   | —     | —   |
| Septic bronchitis                       | M   | 24        | —             | 1     | 1     | —   | 3   | 1   | 5     | 1     | 2   | 4   | 2     | 3   | —     | 1   |
|   | F   | 23        | —             | 1     | 1     | —   | 1   | 2   | 5     | 4     | —   | 3   | 1     | 2   | 2     | 1   |
| Bronchitis                              | M   | 4,467     | 251           | 367   | 106   | 57  | 64  | 66  | 125   | 172   | 153 | 214 | 675   | 880 | 953   | 384 |
|   | F   | 5,938     | 174           | 407   | 112   | 52  | 93  | 175 | 255   | 284   | 243 | 300 | 878   | 987 | 1,313 | 665 |
| Bronchitis, broncho-pneumonia           | M   | 82        | 3             | 10    | 2     | 3   | 1   | 3   | 6     | 5     | 8   | 4   | 23    | 6   | 7     | 1   |
|   | F   | 91        | 1             | 7     | 2     | 2   | 3   | 4   | 13    | 5     | 6   | 5   | 11    | 17  | 14    | 1   |
| Bronchitis, broncho-pneumonia, asthma   | M   | 8         | —             | —     | —     | —   | 1   | —   | 1     | —     | 1   | 2   | 1     | 1   | 1     | —   |
|   | F   | 4         | —             | —     | —     | —   | —   | —   | —     | —     | —   | 1   | 1     | 1   | —     | 1   |
| Bronchitis, lobar pneumonia             | M   | 10        | —             | —     | —     | —   | —   | —   | —     | 2     | 1   | 1   | 3     | 2   | —     | —   |
|   | F   | 7         | —             | —     | —     | —   | 1   | 1   | 1     | 1     | 1   | —   | 1     | 1   | —     | —   |
| Bronchitis, pneumonia                   | M   | 115       | 2             | 9     | 2     | 1   | 2   | 8   | 13    | 8     | 7   | 7   | 19    | 21  | 14    | 2   |
|   | F   | 114       | —             | 4     | 2     | 8   | 5   | 2   | 10    | 11    | 8   | 11  | 23    | 13  | 13    | 4   |
| Bronchitis, pneumonia, asthma           | M   | 9         | —             | —     | —     | —   | —   | —   | —     | —     | 2   | —   | 5     | 2   | —     | —   |
|   | F   | 7         | —             | —     | —     | —   | —   | 1   | —     | 1     | —   | 1   | 1     | 3   | —     | —   |
| Bronchitis, pneumonia, emphysema        | M   | 7         | —             | —     | —     | —   | —   | —   | 1     | —     | 1   | 1   | 1     | 1   | 1     | 1   |
|   | F   | 4         | —             | —     | —     | —   | —   | —   | —     | —     | —   | —   | —     | 2   | 1     | —   |
| Bronchitis, pleurisy                    | M   | 15        | —             | —     | —     | —   | —   | —   | 1     | 1     | 2   | 3   | 3     | 3   | 1     | 1   |
|   | F   | 26        | 1             | 2     | —     | 2   | —   | 2   | 1     | 2     | 3   | 3   | 4     | 2   | 1     | 3   |
| Bronchitis, pulmonary congestion        | M   | 23        | —             | —     | —     | 1   | 1   | —   | —     | —     | 3   | 5   | 1     | 7   | 3     | 2   |
|   | F   | 40        | —             | —     | —     | 2   | 1   | 1   | 7     | 1     | 3   | 1   | 10    | 9   | 3     | 2   |
| Bronchitis, pulmonary oedema            | M   | 11        | —             | —     | —     | —   | —   | —   | 1     | 1     | —   | 1   | 2     | 3   | —     | —   |
|   | F   | 8         | —             | —     | —     | 1   | 1   | 1   | —     | —     | —   | —   | 2     | 1   | 1     | 2   |
| Bronchitis, asthma                      | M   | 135       | —             | —     | 1     | 1   | 1   | 4   | 5     | 8     | 11  | 16  | 38    | 33  | 15    | 2   |
|   | F   | 120       | —             | —     | 1     | 2   | 4   | 1   | 13    | 6     | 9   | 6   | 30    | 24  | 18    | 6   |
| Bronchitis, emphysema                   | M   | 57        | —             | —     | 1     | —   | 1   | —   | 2     | 2     | 3   | 7   | 13    | 19  | 6     | 3   |
|   | F   | 20        | —             | —     | —     | —   | —   | —   | —     | —     | 3   | 3   | 3     | 6   | 4     | 1   |
| Bronchitis, hæmoptysis                  | M   | 6         | —             | —     | —     | —   | —   | —   | —     | 1     | 3   | —   | 2     | 2   | —     | —   |
|   | F   | 8         | —             | —     | —     | —   | —   | —   | —     | —     | —   | 2   | 2     | 2   | —     | —   |
| Bronchitis, diarrhoea                   | M   | 9         | 1             | 1     | —     | —   | —   | —   | —     | —     | —   | 3   | —     | 1   | —     | 1   |
|   | F   | 9         | —             | —     | —     | —   | 1   | 1   | 1     | —     | —   | —   | 2     | —   | —     | —   |
| Bronchitis, enteritis                   | M   | 4         | 1             | —     | 1     | —   | —   | —   | —     | —     | —   | —   | —     | —   | 1     | —   |
|   | F   | 10        | 1             | 1     | —     | —   | —   | 1   | 2     | 1     | —   | —   | 1     | —   | 1     | 2   |
| Bronchitis, abortion                    | M   | —         | —             | —     | —     | —   | 2   | 7   | 11    | 8     | 6   | 3   | 1     | —   | —     | —   |
|   | F   | 38        | —             | —     | —     | —   | —   | —   | —     | —     | —   | —   | —     | —   | —     | —   |
| Bronchitis, childbirth                  | M   | —         | —             | —     | —     | —   | —   | —   | —     | —     | —   | —   | —     | —   | —     | —   |
|   | F   | 38        | —             | —     | —     | —   | —   | 8   | 13    | 7     | 5   | 5   | —     | —   | —     | —   |
| Bronchitis, asphyxia                    | M   | 6         | —             | —     | —     | 1   | —   | —   | —     | 1     | —   | —   | —     | —   | 3     | —   |
|   | F   | 8         | —             | —     | —     | —   | —   | —   | —     | —     | —   | —   | —     | 1   | 1     | 2   |
| Catarrhal pneumonia                     | M   | 75        | 5             | 14    | 6     | 4   | 5   | 3   | 8     | 5     | 3   | 5   | 11    | 3   | 2     | 1   |
|   | F   | 97        | 1             | 20    | 5     | 9   | 10  | 6   | 14    | 7     | 4   | 8   | 5     | 2   | 3     | 3   |
| Lobular pneumonia                       | M   | 62        | 3             | 9     | 8     | 6   | 7   | 4   | 6     | 4     | 4   | 3   | 2     | 5   | 1     | —   |
|   | F   | 70        | 3             | 7     | 3     | 4   | 3   | 6   | 11    | 13    | 4   | 1   | 7     | 5   | 3     | —   |
| Septic broncho-pneumonia                | M   | 47        | —             | 1     | 3     | 4   | 6   | 1   | 8     | 9     | 6   | 4   | 1     | 2   | 1     | 1   |
|   | F   | 55        | —             | 4     | 2     | 3   | 3   | 9   | 11    | 8     | 7   | 2   | —     | 2   | 2     | 2   |
| Broncho-pneumonia                       | M   | 11,506    | 765           | 2,774 | 1,013 | 405 | 504 | 432 | 812   | 934   | 648 | 571 | 1,050 | 816 | 618   | 164 |
|   | F   | 13,748    | 544           | 2,946 | 1,269 | 542 | 657 | 919 | 1,413 | 1,206 | 721 | 554 | 1,160 | 823 | 686   | 278 |
| Broncho-pneumonia, empyema              | M   | 11        | —             | 1     | —     | —   | —   | 3   | —     | —     | 1   | —   | —     | —   | —     | —   |
|   | F   | 10        | —             | 2     | 1     | —   | —   | 2   | 2     | —     | —   | —   | 3     | —   | 1     | —   |
| Broncho-pneumonia, pleurisy             | M   | 19        | —             | —     | 1     | 1   | 1   | 2   | —     | 2     | 3   | 1   | 4     | 3   | —     | —   |
|   | F   | 29        | —             | —     | —     | —   | 3   | 1   | 11    | 4     | 5   | 2   | 2     | 1   | —     | —   |



TABLE XXI.—DEATHS OF CIVILIANS CLASSED TO INFLUENZA : ASSOCIATED CAUSES--*continued.*

| —  | Sex. | All Ages. | Under 1 year. | 1—    | 5—    | 10—   | 15—   | 20—   | 25—   | 30—   | 35—   | 40—   | 45—   | 55—   | 65—   | 75— |
|--|------|-----------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| Broncho-pneumonia, pulmonary congestion. | M    | 5         | —             | —     | —     | —     | —     | —     | 2     | —     | 1     | 1     | 1     | —     | —     | —   |
|  | F    | 5         | 1             | —     | 1     | —     | —     | —     | —     | 1     | 1     | —     | 1     | —     | —     | —   |
| Broncho-pneumonia, asthma ...            | M    | 19        | —             | —     | —     | —     | —     | —     | 2     | 3     | 4     | 4     | 5     | —     | 1     | —   |
|  | F    | 15        | —             | —     | 1     | 1     | —     | 1     | —     | 2     | 1     | 2     | 3     | 1     | 3     | —   |
| Broncho-pneumonia, diarrhoea ...         | M    | 9         | —             | —     | 2     | 1     | 1     | —     | —     | —     | 2     | —     | —     | 1     | —     | —   |
|  | F    | 7         | —             | 2     | —     | 1     | —     | —     | —     | 3     | —     | —     | —     | —     | —     | —   |
| Broncho-pneumonia, acute nephritis.      | M    | 5         | —             | —     | —     | 1     | 1     | —     | 1     | —     | —     | 1     | 1     | —     | —     | —   |
|  | F    | 6         | —             | 3     | 1     | —     | —     | —     | 1     | —     | 1     | —     | —     | —     | —     | —   |
| Broncho-pneumonia, nephritis ...         | M    | 8         | —             | —     | —     | —     | —     | 3     | —     | 1     | —     | 1     | 1     | 2     | —     | —   |
|  | F    | 8         | —             | —     | —     | 1     | —     | 1     | 2     | 1     | —     | —     | 2     | 1     | —     | —   |
| Broncho-pneumonia, abortion ...          | M    | —         | —             | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —   |
|  | F    | 116       | —             | —     | —     | —     | 1     | 24    | 37    | 25    | 22    | 7     | —     | —     | —     | —   |
| Broncho-pneumonia, pregnancy             | M    | —         | —             | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —   |
|  | F    | 18        | —             | —     | —     | —     | 2     | 3     | 4     | 8     | 1     | —     | —     | —     | —     | —   |
| Broncho-pneumonia, childbirth            | M    | —         | —             | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —   |
|  | F    | 124       | —             | —     | —     | —     | 5     | 30    | 41    | 23    | 17    | 6     | 2     | —     | —     | —   |
| Broncho-pneumonia, hyperpyrexia.         | M    | 5         | —             | —     | —     | —     | —     | 1     | 1     | 2     | —     | 1     | —     | —     | —     | —   |
|  | F    | 5         | —             | —     | —     | —     | 1     | 1     | 3     | —     | —     | —     | —     | —     | —     | —   |
| Apical pneumonia ...                     | M    | 13        | —             | —     | —     | 3     | 1     | 2     | 1     | —     | 2     | 1     | 2     | —     | —     | 1   |
|  | F    | 10        | —             | 1     | —     | —     | 1     | 2     | 3     | —     | 1     | 1     | —     | —     | 1     | —   |
| Basal pneumonia ...                      | M    | 10        | —             | —     | —     | 1     | 1     | 1     | 2     | 1     | —     | —     | 1     | —     | 2     | 2   |
|  | F    | 12        | —             | —     | —     | 1     | 2     | 2     | —     | —     | 2     | 1     | 1     | 2     | 1     | —   |
| Croupous pneumonia ...                   | M    | 115       | 1             | 3     | 3     | 5     | 6     | 9     | 22    | 18    | 16    | 4     | 20    | 6     | 2     | —   |
|  | F    | 160       | —             | 5     | 3     | 2     | 15    | 27    | 35    | 22    | 13    | 13    | 17    | 5     | 3     | —   |
| Pleuro-pneumonia ...                     | M    | 285       | 1             | 3     | 6     | 15    | 24    | 14    | 30    | 47    | 27    | 23    | 53    | 28    | 13    | 1   |
|  | F    | 283       | —             | 5     | 4     | 8     | 25    | 30    | 49    | 45    | 26    | 25    | 27    | 21    | 15    | 3   |
| Double pneumonia ...                     | M    | 1,143     | 11            | 60    | 39    | 48    | 122   | 80    | 194   | 191   | 128   | 93    | 104   | 49    | 18    | 6   |
|  | F    | 1,357     | 7             | 59    | 43    | 63    | 145   | 202   | 316   | 227   | 98    | 72    | 79    | 26    | 14    | 6   |
| Double pneumonia (septic) ...            | M    | 30        | —             | 1     | —     | 1     | 5     | 3     | 2     | 6     | 3     | 4     | 4     | —     | 1     | —   |
|  | F    | 36        | —             | 2     | 2     | 3     | 4     | 5     | 11    | 6     | —     | 1     | 1     | 2     | —     | —   |
| Double pneumonia, pleurisy ...           | M    | 7         | —             | —     | —     | —     | —     | —     | 1     | 1     | 1     | 1     | 3     | —     | —     | —   |
|  | F    | 7         | —             | —     | —     | 1     | 1     | —     | —     | —     | 2     | 2     | 1     | —     | —     | —   |
| Double pneumonia, abortion ...           | M    | —         | —             | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —   |
|  | F    | 26        | —             | —     | —     | —     | 1     | 3     | 10    | 10    | 2     | —     | —     | —     | —     | —   |
| Double pneumonia, pregnancy ...          | M    | —         | —             | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —   |
|  | F    | 10        | —             | —     | —     | —     | —     | 2     | 4     | 3     | 1     | —     | —     | —     | —     | —   |
| Double pneumonia, childbirth ...         | M    | —         | —             | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —   |
|  | F    | 25        | —             | —     | —     | —     | 2     | 5     | 8     | 7     | 1     | 2     | —     | —     | —     | —   |
| Lobar pneumonia ...                      | M    | 3,098     | 16            | 142   | 102   | 132   | 281   | 237   | 440   | 517   | 285   | 239   | 397   | 194   | 93    | 23  |
|  | F    | 3,759     | 17            | 153   | 145   | 165   | 373   | 531   | 722   | 589   | 324   | 183   | 285   | 167   | 86    | 19  |
| Lobar pneumonia, pleurisy ...            | M    | 9         | —             | —     | —     | —     | 2     | —     | 1     | 1     | 1     | —     | 1     | 1     | 2     | —   |
|  | F    | 13        | —             | —     | —     | 2     | 1     | 1     | 3     | 5     | —     | —     | —     | —     | —     | —   |
| Lobar pneumonia, abortion ...            | M    | —         | —             | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —   |
|  | F    | 67        | —             | —     | —     | —     | 1     | 11    | 26    | 19    | 6     | 4     | —     | —     | —     | —   |
| Lobar pneumonia, pregnancy ...           | M    | —         | —             | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —   |
|  | F    | 11        | —             | —     | —     | —     | —     | 2     | 4     | 4     | 1     | —     | —     | —     | —     | —   |
| Lobar pneumonia, childbirth ...          | M    | —         | —             | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —   |
|  | F    | 41        | —             | —     | —     | —     | 2     | 7     | 13    | 8     | 5     | 6     | —     | —     | —     | —   |
| Inflammation of lungs ...                | M    | 29        | 2             | 2     | 1     | —     | 1     | 3     | 1     | 5     | 3     | 4     | 5     | 1     | 1     | —   |
|  | F    | 43        | —             | 3     | 2     | 4     | 2     | 3     | 3     | 8     | 3     | 3     | 8     | —     | 2     | 2   |
| Bilateral pneumonia ...                  | M    | 4         | —             | —     | —     | —     | 2     | —     | 1     | —     | 1     | —     | —     | —     | —     | —   |
|  | F    | 8         | —             | —     | —     | —     | —     | —     | 2     | 2     | 3     | —     | 1     | —     | —     | —   |
| Septic pneumonia ...                     | M    | 693       | 9             | 29    | 23    | 31    | 58    | 47    | 109   | 117   | 74    | 48    | 88    | 32    | 26    | 2   |
|  | F    | 755       | 5             | 25    | 25    | 32    | 78    | 114   | 161   | 116   | 67    | 37    | 66    | 14    | 13    | 2   |
| Septic pneumonia, abortion ...           | M    | —         | —             | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —   |
|  | F    | 11        | —             | —     | —     | —     | —     | 1     | 6     | 1     | 2     | 1     | —     | —     | —     | —   |
| Septic pneumonia, childbirth ...         | M    | —         | —             | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —   |
|  | F    | 12        | —             | —     | —     | —     | —     | 4     | 3     | 3     | —     | 1     | 1     | —     | —     | —   |
| Pneumonia ...                            | M    | 25,220    | 405           | 2,096 | 1,299 | 973   | 2,063 | 1,598 | 3,287 | 3,419 | 2,218 | 1,818 | 3,052 | 1,668 | 1,072 | 252 |
|  | F    | 29,382    | 294           | 2,106 | 1,482 | 1,387 | 2,499 | 3,730 | 5,122 | 3,956 | 2,280 | 1,432 | 2,380 | 1,392 | 976   | 346 |
| Catarrhal pyrexia, pneumonia ...         | M    | 10        | —             | —     | —     | —     | —     | —     | —     | 2     | 2     | 1     | 3     | —     | 2     | —   |
|  | F    | 9         | —             | —     | —     | —     | —     | 2     | 1     | 2     | 1     | —     | 1     | —     | —     | —   |
| Pneumonia, empyema ...                   | M    | 48        | —             | 6     | 5     | 5     | 8     | 2     | 2     | 6     | 2     | 3     | 3     | 4     | 2     | —   |
|  | F    | 48        | —             | 5     | 2     | 4     | 7     | 6     | 8     | 8     | 4     | 2     | 1     | 1     | —     | —   |
| Pneumonia, pleurisy ...                  | M    | 90        | —             | —     | 2     | 1     | 4     | 6     | 11    | 12    | 6     | 15    | 11    | 12    | 7     | 3   |
|  | F    | 107       | —             | 2     | 1     | 2     | 12    | 12    | 19    | 22    | 9     | 7     | 9     | 3     | 7     | 2   |
| Pneumonia, pulmonary congestion.         | M    | 12        | —             | 1     | —     | —     | 2     | 1     | 1     | 1     | —     | 1     | 1     | —     | —     | 1   |
|  | F    | 6         | —             | 1     | —     | —     | —     | 1     | 1     | —     | 1     | 1     | —     | —     | —     | —   |
| Pneumonia, pulmonary oedema              | M    | 7         | —             | —     | —     | —     | —     | 1     | 1     | —     | 2     | 1     | —     | 1     | 1     | —   |
|  | F    | 7         | —             | —     | —     | 1     | 1     | —     | 1     | —     | 1     | —     | 2     | 1     | —     | —   |
| Pneumonia, asthma ...                    | M    | 21        | —             | —     | 1     | —     | —     | 1     | 1     | 7     | 3     | 2     | 4     | 2     | —     | —   |
|  | F    | 35        | —             | —     | 2     | 1     | —     | 5     | 5     | 3     | 5     | —     | 8     | 6     | —     | —   |
| Pneumonia, hæmoptysis ...                | M    | 19        | —             | 1     | —     | 1     | 2     | 2     | 5     | 4     | —     | —     | 2     | 2     | —     | —   |
|  | F    | 19        | —             | —     | —     | —     | 2     | 3     | 5     | 3     | —     | 3     | 2     | 1     | —     | —   |
| Pneumonia, pulmonary abscess             | M    | 3         | —             | —     | —     | 1     | 1     | —     | 1     | 1     | —     | 1     | —     | —     | —     | —   |
|  | F    | 7         | —             | —     | —     | 1     | 2     | —     | —     | —     | 1     | 1     | 1     | —     | —     | —   |
| Pneumonia, gastritis ...                 | M    | 13        | —             | 1     | —     | —     | 1     | —     | 3     | 3     | 1     | —     | 1     | 2     | 1     | —   |
|  | F    | 10        | —             | —     | —     | —     | 1     | —     | 2     | 2     | 1     | 2     | —     | —     | —     | —   |
| Pneumonia, diarrhoea ...                 | M    | 7         | —             | —     | —     | —     | 3     | —     | 2     | 1     | —     | —     | 1     | —     | —     | —   |
|  | F    | 23        | —             | 1     | —     | 1     | 1     | 3     | 8     | 4     | 1     | —     | 1     | 2     | 1     | —   |
| Pneumonia, enteritis ...                 | M    | 6         | —             | —     | —     | —     | —     | —     | 2     | 2     | 1     | —     | —     | —     | —     | —   |
|  | F    | 8         | —             | —     | —     | —     | —     | 1     | 3     | 1     | —     | 1     | 1     | —     | 1     | —   |
| Pneumonia, gastro-enteritis ...          | M    | 8         | —             | —     | —     | —     | —     | 1     | —     | 2     | —     | —     | 1     | 3     | 1     | —   |
|  | F    | 12        | —             | —     | —     | —     | 2     | 1     | 5     | 1     | —     | 1     | 1     | —     | 1     | —   |
| Pneumonia, appendicitis ...              | M    | 4         | —             | —     | 1     | 1     | —     | —     | 1     | —     | 1     | —     | —     | —     | —     | —   |
|  | F    | 9         | —             | —     | —     | —     | 1     | 1     | 2     | 3     | 1     | —     | 1     | —     | —     | —   |
| Pneumonia, jaundice ...                  | M    | 9         | —             | —     | 2     | —     | —     | —     | —     | 1     | 1     | 2     | 2     | —     | 1     | —   |
|  | F    | 7         | —             | —     | —     | —     | 1     | 1     | —     | 1     | —     | 1     | 2     | 1     | —     | —   |
| Pneumonia, peritonitis ...               | M    | 3         | —             | —     | 1     | —     | 1     | —     | —     | —     | —     | —     | —     | —     | —     | —   |
|  | F    | 9         | —             | —     | —     | —     | —     | 2     | —     | 4     | —     | 2     | —     | —     | —     | —   |

TABLE XXI.—DEATHS of CIVILIANS CLASSED to INFLUENZA : ASSOCIATED CAUSES—*continued.*

| —                                    | Sex | All Ages. | Under 1 year. | 1— | 5— | 10— | 15— | 20— | 25— | 30— | 35— | 40— | 45— | 55— | 65— | 75— |
|--------------------------------------|-----|-----------|---------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Pneumonia, acute nephritis ...       | M   | 23        | —             | 1  | 1  | 2   | 4   | 1   | 2   | 5   | 4   | —   | 2   | 1   | —   | —   |
|                                      | F   | 15        | —             | —  | 1  | —   | 1   | 1   | 5   | 2   | 2   | 2   | —   | 1   | —   | —   |
| Pneumonia, chronic Bright's disease. | M   | 5         | —             | —  | —  | —   | —   | 1   | —   | —   | 1   | 1   | —   | —   | 1   | —   |
|                                      | F   | 16        | —             | —  | —  | —   | 2   | —   | —   | 1   | 2   | 2   | 4   | 4   | 1   | —   |
| Pneumonia, chronic nephritis ...     | M   | 9         | —             | —  | —  | —   | —   | 2   | 2   | 2   | —   | —   | 3   | —   | —   | —   |
|                                      | F   | 4         | —             | —  | —  | —   | —   | —   | —   | 2   | 1   | —   | —   | 1   | —   | —   |
| Pneumonia, nephritis (un-qualified). | M   | 20        | —             | —  | —  | —   | 2   | 1   | 7   | 1   | 3   | 2   | 2   | 1   | 1   | —   |
|                                      | F   | 25        | —             | —  | —  | 1   | 2   | 5   | 6   | 4   | 3   | 1   | 2   | 1   | —   | —   |
| Pneumonia, abortion ...              | M   | —         | —             | —  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|                                      | F   | 523       | —             | —  | —  | —   | 13  | 104 | 187 | 138 | 59  | 19  | 3   | —   | —   | —   |
| Pneumonia, pregnancy ...             | M   | —         | —             | —  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|                                      | F   | 63        | —             | —  | —  | —   | 2   | 11  | 27  | 18  | 4   | —   | 1   | —   | —   | —   |
| Pneumonia, childbirth ...            | M   | —         | —             | —  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|                                      | F   | 474       | —             | —  | —  | —   | 12  | 88  | 162 | 119 | 64  | 27  | 2   | —   | —   | —   |
| Pneumonia, congenital heart disease. | M   | 4         | —             | —  | —  | 1   | 2   | 1   | —   | —   | —   | —   | —   | —   | —   | —   |
|                                      | F   | 7         | —             | 2  | 2  | 1   | —   | 2   | —   | —   | —   | —   | —   | —   | —   | —   |
| Pneumonia, hyperpyrexia ...          | M   | 11        | —             | —  | —  | —   | 1   | —   | 2   | 4   | 3   | —   | —   | 1   | —   | —   |
|                                      | F   | 18        | —             | 1  | —  | 1   | 1   | 4   | 3   | 5   | 1   | 2   | —   | —   | —   | —   |
| Pneumonia, asphyxia ...              | M   | 10        | —             | 1  | —  | —   | 2   | —   | 8   | 2   | 2   | —   | —   | —   | —   | —   |
|                                      | F   | 14        | —             | —  | 1  | —   | 2   | 4   | 1   | 1   | 1   | 2   | 2   | —   | —   | —   |
| Pneumonia, coma ...                  | M   | 7         | —             | 1  | —  | —   | 2   | —   | 2   | —   | —   | —   | 2   | —   | —   | —   |
|                                      | F   | 6         | —             | —  | —  | 1   | 1   | —   | 1   | 1   | —   | —   | 1   | —   | 1   | —   |
| Pneumonia, delirium ...              | M   | 18        | —             | —  | —  | —   | 2   | —   | 1   | 3   | 3   | 4   | 3   | 1   | 1   | —   |
|                                      | F   | 9         | —             | —  | —  | —   | —   | —   | 3   | 3   | 3   | —   | —   | —   | —   | —   |
| Empyema ...                          | M   | 29        | —             | 3  | 5  | 1   | 2   | 1   | 1   | 3   | 1   | 4   | 4   | 3   | 1   | —   |
|                                      | F   | 26        | —             | 5  | 3  | 1   | 4   | 6   | 1   | 2   | 2   | 2   | —   | —   | —   | —   |
| Pleurisy ...                         | M   | 137       | —             | 2  | 4  | 2   | 11  | 7   | 13  | 12  | 8   | 16  | 17  | 27  | 12  | 6   |
|                                      | F   | 170       | —             | 4  | 1  | 7   | 12  | 12  | 18  | 21  | 13  | 24  | 27  | 13  | 10  | 8   |
| Pleurisy with effusion ...           | M   | 15        | —             | —  | 3  | 1   | 1   | —   | 3   | 1   | —   | 1   | 2   | 2   | 1   | —   |
|                                      | F   | 16        | —             | 1  | —  | 1   | 1   | 3   | 4   | 2   | 1   | —   | 1   | 1   | 1   | —   |
| Pleuritis ...                        | M   | 6         | —             | 1  | —  | —   | 1   | —   | —   | —   | 1   | —   | 1   | —   | 2   | —   |
|                                      | F   | 4         | —             | —  | —  | —   | 1   | —   | —   | —   | 1   | —   | —   | 2   | —   | —   |
| Pulmonary congestion ...             | M   | 403       | 16            | 34 | 15 | 14  | 21  | 19  | 22  | 43  | 33  | 20  | 59  | 46  | 41  | 20  |
|                                      | F   | 517       | 10            | 30 | 20 | 10  | 22  | 38  | 68  | 44  | 37  | 27  | 59  | 60  | 62  | 30  |
| Pulmonary congestion, childbirth     | M   | —         | —             | —  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|                                      | F   | 10        | —             | —  | —  | —   | 1   | 3   | 1   | 4   | 1   | —   | —   | —   | —   | —   |
| Pulmonary œdema ...                  | M   | 37        | 1             | —  | 1  | 2   | 3   | 1   | 1   | 4   | 3   | 6   | 7   | 4   | 2   | 2   |
|                                      | F   | 57        | —             | 1  | 3  | —   | 4   | 11  | 8   | 7   | 5   | 3   | 7   | 3   | 4   | 1   |
| Hypostatic pneumonia ...             | M   | 16        | —             | —  | —  | —   | —   | 1   | —   | —   | 1   | 1   | —   | 1   | 8   | 4   |
|                                      | F   | 28        | —             | —  | —  | —   | —   | 1   | 2   | 1   | —   | 1   | 3   | 1   | 13  | 6   |
| Pulmonary gangrene ...               | M   | 6         | —             | —  | —  | —   | —   | 1   | 1   | —   | 1   | —   | 2   | 1   | —   | —   |
|                                      | F   | 6         | —             | —  | —  | —   | 2   | 1   | —   | —   | 1   | 2   | —   | —   | —   | —   |
| Asthma ...                           | M   | 215       | 1             | —  | 2  | 6   | 3   | 7   | 14  | 20  | 19  | 19  | 55  | 48  | 18  | 3   |
|                                      | F   | 165       | —             | 2  | 2  | 1   | 4   | 5   | 17  | 20  | 11  | 20  | 42  | 19  | 16  | 6   |
| Emphysema ...                        | M   | 22        | —             | —  | —  | 1   | —   | —   | —   | 1   | 2   | 2   | 5   | 9   | 2   | —   |
|                                      | F   | 9         | —             | —  | —  | —   | —   | —   | —   | —   | 2   | 2   | 1   | 1   | 2   | 1   |
| Abscess of lung ...                  | M   | 7         | —             | —  | —  | —   | —   | —   | —   | 2   | —   | 2   | 2   | 1   | —   | —   |
|                                      | F   | 4         | —             | —  | —  | 1   | —   | 1   | —   | 2   | —   | —   | —   | —   | —   | —   |
| Hæmoptysis ...                       | M   | 24        | —             | —  | 2  | —   | 1   | 3   | 2   | 4   | 4   | 2   | 1   | 4   | 1   | —   |
|                                      | F   | 39        | —             | —  | 2  | 2   | 4   | 4   | 9   | 6   | 4   | 1   | 4   | 1   | 1   | 1   |
| Tonsillitis ...                      | M   | 10        | —             | 3  | 2  | 1   | —   | —   | 1   | —   | —   | 2   | 1   | —   | —   | —   |
|                                      | F   | 15        | —             | 2  | 2  | 3   | 2   | 3   | 2   | —   | 1   | —   | —   | —   | —   | —   |
| Pharyngitis ...                      | M   | 2         | —             | 1  | 1  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|                                      | F   | 8         | —             | 2  | 1  | —   | —   | —   | 2   | 1   | 1   | —   | 1   | —   | —   | —   |
| Gastric ulcer ...                    | M   | 7         | —             | —  | —  | —   | —   | —   | —   | —   | 1   | 3   | 1   | 1   | 1   | —   |
|                                      | F   | 5         | —             | —  | —  | —   | —   | —   | 1   | 1   | 2   | —   | —   | 1   | —   | —   |
| Gastric catarrh ...                  | M   | 6         | 1             | 1  | —  | —   | —   | —   | —   | 1   | —   | —   | 1   | 1   | 1   | —   |
|                                      | F   | 8         | —             | 2  | 1  | —   | —   | —   | 2   | —   | —   | —   | 1   | 1   | 1   | —   |
| Gastritis ...                        | M   | 80        | 9             | 8  | 10 | 4   | 4   | 2   | 2   | 3   | 3   | 4   | 9   | 13  | 7   | 2   |
|                                      | F   | 103       | 2             | 7  | 12 | 5   | 5   | 6   | 8   | 3   | 8   | 4   | 12  | 10  | 13  | 8   |
| Severe vomiting ...                  | M   | 6         | —             | 2  | —  | 1   | 1   | —   | —   | 1   | —   | —   | 1   | —   | —   | —   |
|                                      | F   | 7         | —             | —  | 1  | 1   | 1   | —   | 1   | —   | —   | 1   | —   | —   | 2   | —   |
| Hæmatemesis ...                      | M   | 13        | 1             | 1  | 2  | 1   | —   | —   | 1   | —   | —   | —   | 4   | —   | 1   | 2   |
|                                      | F   | 11        | 1             | —  | —  | —   | 2   | —   | 3   | 2   | —   | 1   | 2   | —   | —   | —   |
| Diarrhoea ...                        | M   | 103       | 5             | 11 | 1  | 4   | 5   | 8   | 6   | 6   | 7   | 4   | 10  | 15  | 15  | 6   |
|                                      | F   | 86        | 5             | 7  | 6  | 4   | 11  | 6   | 5   | 6   | 7   | 3   | 6   | 8   | 9   | 3   |
| Enteritis ...                        | M   | 85        | 6             | 14 | 8  | 5   | 5   | 4   | 4   | 7   | 3   | 2   | 5   | 11  | 8   | 3   |
|                                      | F   | 61        | 7             | 7  | 4  | 4   | 3   | 2   | 2   | 4   | 6   | 3   | 4   | 9   | 4   | 2   |
| Gastro-enteritis ...                 | M   | 79        | 16            | 16 | 6  | 1   | 5   | 1   | 3   | 1   | 1   | 2   | 9   | 7   | 3   | 8   |
|                                      | F   | 88        | 9             | 11 | 9  | 7   | 3   | 6   | 7   | 4   | 5   | 5   | 7   | 5   | 5   | 5   |
| Appendicitis ...                     | M   | 11        | —             | —  | 3  | 4   | 1   | —   | —   | 1   | —   | 1   | —   | —   | 1   | —   |
|                                      | F   | 2         | —             | —  | —  | —   | —   | 1   | —   | —   | 1   | —   | —   | —   | —   | —   |
| Cirrhosis of liver ...               | M   | 8         | —             | —  | —  | —   | —   | —   | —   | —   | —   | 1   | 1   | 5   | 1   | —   |
|                                      | F   | 6         | —             | 1  | —  | —   | —   | —   | 1   | —   | —   | —   | 1   | 2   | —   | —   |
| Hepatitis ...                        | M   | 4         | —             | 1  | —  | —   | —   | —   | —   | —   | 1   | 1   | 1   | —   | —   | —   |
|                                      | F   | 6         | —             | —  | —  | 1   | —   | 1   | —   | —   | —   | 1   | 1   | 1   | 1   | —   |
| Jaundice ...                         | M   | 11        | 1             | 1  | —  | —   | —   | 2   | —   | —   | —   | 1   | 2   | 2   | —   | —   |
|                                      | F   | 9         | 1             | —  | —  | —   | —   | 1   | —   | 1   | —   | 1   | —   | 1   | 1   | 3   |
| Peritonitis...                       | M   | 16        | —             | 1  | 2  | 1   | 2   | 1   | 1   | 1   | 2   | —   | 4   | —   | —   | 1   |
|                                      | F   | 21        | —             | 1  | 3  | 1   | 4   | 2   | 2   | —   | 3   | 2   | 1   | 1   | —   | 1   |
| Acute nephritis ...                  | M   | 46        | 1             | 6  | 3  | 2   | 6   | 1   | 2   | 2   | 6   | 1   | 10  | —   | 6   | —   |
|                                      | F   | 59        | 2             | 9  | 3  | 5   | 3   | 5   | 7   | 7   | 6   | 4   | 3   | 3   | 2   | —   |
| Acute nephritis, uræmia...           | M   | 10        | —             | —  | 1  | 2   | 1   | 1   | —   | —   | —   | 2   | 1   | 1   | 1   | —   |
|                                      | F   | 1         | —             | —  | —  | —   | 1   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
| Bright's disease ...                 | M   | 21        | —             | —  | 1  | —   | —   | —   | 1   | 1   | —   | —   | 5   | 4   | 5   | 2   |
|                                      | F   | 19        | —             | —  | —  | 1   | —   | 1   | —   | —   | 2   | 1   | 5   | 1   | 5   | 2   |
| Chronic interstitial nephritis ...   | M   | 5         | —             | —  | —  | —   | 1   | —   | 1   | —   | —   | —   | —   | —   | 1   | 2   |
|                                      | F   | 6         | —             | —  | —  | —   | 1   | —   | —   | —   | —   | 1   | 2   | 1   | 1   | —   |
| Chronic nephritis...                 | M   | 45        | —             | 1  | 3  | —   | 3   | 1   | 2   | 4   | 2   | 2   | 4   | 10  | 10  | 3   |
|                                      | F   | 50        | —             | 1  | 1  | 1   | 5   | 2   | 5   | 5   | 2   | 1   | 13  | 7   | 5   | 2   |



TABLE XXI.—DEATHS of CIVILIANS CLASSED to INFLUENZA : ASSOCIATED CAUSES—*continued.*

| —                           | Sex | All Ages. | Under 1 year. | 1— | 5— | 10— | 15— | 20— | 25— | 30— | 35— | 40— | 45— | 55— | 65— | 75— |
|-----------------------------|-----|-----------|---------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Nephritis (unqualified) ... | M   | 61        | —             | —  | —  | 3   | 5   | 2   | 2   | 3   | 7   | 3   | 6   | 14  | 12  | 4   |
|                             | F   | 47        | —             | —  | —  | 2   | 2   | 7   | 6   | 9   | 1   | 6   | 6   | 3   | 3   | 2   |
| Uræmia ...                  | M   | 23        | —             | —  | —  | 1   | 2   | 2   | 1   | 4   | 1   | 2   | 3   | 4   | 2   | 1   |
|                             | F   | 5         | —             | —  | —  | 1   | —   | —   | —   | —   | 2   | —   | —   | —   | —   | —   |
| Cystitis ...                | M   | 13        | —             | —  | —  | —   | —   | —   | —   | —   | 1   | —   | 3   | 1   | 5   | 3   |
|                             | F   | 4         | —             | —  | —  | —   | —   | —   | —   | —   | —   | —   | 2   | —   | —   | 2   |
| Abortion ...                | M   | —         | —             | —  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|                             | F   | 161       | —             | —  | —  | —   | 6   | 28  | 45  | 48  | 20  | 11  | 3   | —   | —   | —   |
| Pregnancy ...               | M   | —         | —             | —  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|                             | F   | 19        | —             | —  | —  | —   | —   | 3   | 7   | 5   | 1   | 2   | 1   | —   | —   | —   |
| Post-partum hæmorrhage      | M   | —         | —             | —  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|                             | F   | 10        | —             | —  | —  | —   | —   | —   | 2   | 3   | 3   | 2   | —   | —   | —   | —   |
| Childbirth ...              | M   | —         | —             | —  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|                             | F   | 167       | —             | —  | —  | —   | 7   | 21  | 49  | 53  | 20  | 12  | 1   | —   | —   | —   |
| Cancrum oris ...            | M   | 1         | —             | 1  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|                             | F   | 13        | 1             | 9  | 2  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
| Congenital heart disease    | M   | 22        | 1             | 7  | 3  | 4   | 2   | 3   | 1   | —   | 1   | —   | —   | —   | —   | —   |
|                             | F   | 18        | 3             | 2  | 5  | 2   | 4   | —   | —   | 1   | 1   | —   | —   | —   | —   | —   |
| Senile dementia ...         | M   | 8         | —             | —  | —  | —   | —   | —   | —   | —   | —   | —   | 1   | —   | 7   | —   |
|                             | F   | 13        | —             | —  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | 3   | 7   |
| Teething ...                | M   | 10        | 4             | 6  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|                             | F   | 12        | 5             | 7  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
| Hyperpyrexia ...            | M   | 69        | 1             | 8  | 6  | 5   | 5   | 7   | 8   | 11  | 4   | 3   | 7   | 2   | —   | 2   |
|                             | F   | 90        | 4             | 3  | 6  | 6   | 18  | 17  | 13  | 8   | 5   | 1   | 5   | 4   | —   | —   |
| Coma ...                    | M   | 22        | 1             | 5  | 3  | 3   | 1   | —   | —   | —   | —   | 2   | 2   | 3   | 1   | 1   |
|                             | F   | 23        | —             | 2  | 3  | 1   | 2   | —   | 1   | 2   | 3   | 1   | 4   | 1   | —   | 1   |
| Delirium ...                | M   | 15        | —             | —  | —  | —   | 4   | —   | 1   | 1   | 2   | 3   | 4   | —   | —   | —   |
|                             | F   | 13        | —             | —  | —  | 2   | —   | 2   | 3   | —   | 3   | 1   | 1   | —   | 1   | —   |

## LIST SUPPLEMENTARY TO TABLE XXI.

(See page 30.)

Influenza :—cerebro-spinal 1 ; meningeal 1, 15 ; bronchial 60 ; pulmonary 20 ; respiratory 20 ; cardiac 35 ; abdominal 15, 50, 4, 60, 70 ; gastro-abdominal 40 ; gastro-enteric 15, 2, 3, 50, 60 ; gastro-intestinal 2, 10, 15, 3, 25, 35, 60 ; gastralgia 70 ; typhoidal 55 ; epidemic catarrh 45 ; industrial 60 ; la grippe 30, 80 ; malignant 4, 20, 30, 65 ; neuro-centric fever 65 ; spanish fever 0, 15, 5, 20 ; septic 15, 30, 15, 25, 25, 30 ; communicated by mother before birth 0.

*Complications.*

(9). Croup, laryngismus stridulus 5 : croup, br.-pneu. 3, 1, 2, 10 ; croup, pneu. 1, 5.

(18). Erysipelas 20, 40, 50, 70, 80, 0, 25, 45, 65 ; erysip., bronch. 40 ; erysip., croupous pneu. 40 ; erysip., pneu. 50, 60, 75, 1 ; erysip., hyperpyrexia 30.

(19). Parotitis 5, 2, 25, 30, 50 ; septic parotitis 40 ; parotitis, br.-pneu. 40, 20, 25, 65 ; parotitis, pneu. 5, 30, 75 ; parotitis, gastro-enteritis 5 ; mumps 5 ; German measles 5 ; German measles, pneu. 1 ; German measles, acute nephritis 4 ; varicella, meningitis, pneu. 35 ; varicella, br.-pneu. 2 ; chicken pox, double pneu. 5 ; chicken pox, pneu. 5 ; trench fever 20 ; trench fever, pneu. 30.

(20). Pyæmia (streptococcal) 35 ; pyæmia, otitis media 20 ; pyæmia, portal thrombosis 50 ; pyæmia, epistaxis, pneu., empyema 15 ; pyæmia, br.-pneu. 20, 35, 65 ; pyæmia, pneu. 10, 15, 55 ; pyæmia, cancrum oris 2 ; pyæmia, multiple abscess 10 ; pyæmia, abscess in thigh 10 ; pyæmia, ethmoiditis 5 ; streptococcal septicæmia 2, 15, 15 ; septicæmia, ac. miliary tuberculosis 50 ; sept., diabetes 45 ; sept., hypertoxæmia 20 ; sept., tox., gastro-enteritis 25 ; sept., purulent meningitis, septic pneu. 10 ; sept., meningitis 5, 25 ; sept., disseminated sclerosis, atrophic ulcers 35 ; sept., mastoid dis. 15 ; sept., middle ear dis. 60 ; sept., middle ear dis., septic endocarditis, pleuro-pneu. 20 ; sept., malignant endocarditis, cerebral embolism, pulmonary embol. 50 ; sept., mitral regurg. 70 ; sept., phlebitis 30 ; sept., bronch., br.-pneu. 25 ; sept., bronch., empyema 30 ; sept., br.-pneu., lobar pneu. 50 ; sept., lobar pneu. 55, 5, 25 ; sept., double pneu. 15, 25, 10, 25 ; sept., septic pneu. 10, 30 ; sept., pneu., empyema 5, 5, 25, 25, 40, 45 ; sept., pneu., gangrene of lung, septic bed sore 55 ; sept., empyema 25, 50 ; sept., pleurisy 65 ; sept., congestion of lungs 10 ; sept., pyorrhœa alveolaris 35 ; sept., septic throat and tonsils 10 ; sept., tonsillitis 15 ; sept., multiple abs. 45, 65 ; sept., bedsores 55 ; sept., frontal sinusitis 15 ; streptococcal infection 5 ; streptococcal sept., pneu., empyema 25 ; strepto. sept., empyema 30 ; strepto. sept., pulm. abs. 20 ; pneumococcal sept. 15, 35, 15, 25, 30, 30 ; pneumo. sept., pneu. 20 ; pneumococcal infection, toxæmia, pneu. 1 ; malignant influenza, sapræmia 25 ; sapræmia 20 ; sapræmia, br.-pneu. 40 ; sapræmia, septic congestion of lungs 50 ; septic intoxication 1 ; septic intox., br.-pneu. 35 ; blood poisoning, myocarditis, pneu. 30.

(28). Pulmonary tuberculosis, dementia 50 ; pul. tub., bronch. 40, 30 ; pul. tub., lobar pneu. 40 ; pul. tub., br.-pneu. 4, 65 ; pul. tub., pneu. 10, 25, 40 ; pul. tub., pyopneumothorax 65 ; phthisis 25, 10, 15, 20, 20, 25, 30, 35 ; phthisis, degeneration of heart, albuminuria 50 ; phthisis, pneu. 20, 30, 35, 20, 30 ; phthisis, emphysema 60.

(29). Acute pul. tub., epilepsy 25 ; acute pul. tub., idiocy 15 ; acute tub. phthisis, imbecility, br.-pneu. 15, 15 ; acute phthisis, bronchial catarrh 15 ; acute phthisis, bronchitis 30, 55 ; acute phthisis, br.-pneu. 25, 35, 5 ; acute phthisis, pneu. 20, 35, 15, 15, 25, 40 ; acute phthisis, pneu. gangrene of lung 30 ; acute phthisis, pleurisy 25 ; acute miliary tub., dementia, br.-pneu. 65 ; acute miliary tub., chorea 5 ; acute miliary tub., arterio sclerosis 50 ; acute miliary tub., br.-pneu. 25, 35, 5 ; acute tub., pneu. 25, 25, 30, 35 ; acute tub., pleurisy 45.



LIST SUPPLEMENTARY TO TABLE XXI.—*continued.*

- (30). Tuberculous meningitis, mitral dis. of heart, 15; tub. men., bronch. 30; tub. men., lobar pneu. 30; tub. men., pneu. 20, 35.
- (31). Tuberculous peritonitis 2, 10, 25, 15; tub. perito., br.-pneu. 45; tub. perito., br.-pneu., empyema 15; tub. enteritis 25.
- (32). Spinal disease, pneu. 15.
- (35). General tuberculosis 15, 25, 2, 4, 5, 20, 25; diffuse tuberculosis, bronch., pneu. 10.
- (36). Rickets, meningitis 1, 1; rickets, convulsions 1; rickets, bronch. 1; rickets, bronch., br.-pneu. 5; rickets, br.-pneu. 1, 1, 3, 2, 5; rickets, double pneu. 20; rickets, pneu. 1, 2, 3, 2, 4; rickets, enteritis 2; rachitic spinal deformity 20; spinal curvature 15, 15, 25, 10, 30, 35; spinal curv., bronch. 20; spinal curv., br.-pneu. 20, 15, 20, 25, 30; spinal curv., lobar pneu. 15; spinal curv., pneu. 20; osteomalacia, mitral dis., bronch., congestion of lungs 35; osteomalacia, br.-pneu. 10; angular curvature of spine 25; extreme scoliosis 30; scoliosis, pneu. 15.
- (46). Abdominal myomectomy, pneu. 35; abdom. growth, diabetes, pneu. 65; cervical cyst, pneu. 25.
- (47). Rheumatic endocarditis and pericarditis, pneu. 25; rheum., meningitis 15; rheum., cerebral congestion 35; rheum., epilepsy 5; rheum., chorea 10; rheum., pericarditis 15, 50; rheum., myocarditis 30; rheum., malignant endoc. 35; rheum., ulcerative endoc. 20; rheum., endoc. 4, 25, 50; rheum., endoc., dilated heart 25; rheum., endoc., cerebral embolism 30; rheum., endoc., br.-pneu. 25; rheum., aortic regurg., mitral stenosis and regurg. 40; rheum., aortic and mitral dis., br.-pneu. 10; rheum., aortic dis. 10; rheum., mitral regurg. 25, 45; rheum., mitral stenosis 45; rheum., mitral stenosis, pneu. 40; rheum., mitral dis., 30, 15, 25, 55; rheum., mitral dis., pneu. 25, 25; rheum., valv. dis. 65, 25, 25, 25; rheum., valv. dis., pneu. 20, 35; rheum., dilated heart 40; rheum., dilated ht., pneu. 25; rheum., ht. dis. 15, 15, 25, 35; rheum., cerebral embol. 45; rheum., bronch. 55, 55, 65, 55, 55; rheum., bronch., br.-pneu. 10; rheum., br.-pneu. 25; rheum., lobar pneu. 25, 25; rheum., pleuro-pneu. 15; rheum., pneu. 15, 40, 4, 10, 10; rheum., pulm. congestion 50; rheum., appendicitis 5; rheum., peritonitis 40; rheum., hyperpyrexia 25.
- (48). Chr. rheumatism, anæmia 50; chr. rheum., aortic regurg. 80; chr. rheum., valv. dis. 45, 75; chr. rheum., ht. dis. 30; chr. rheum., bronch. 65, 65, 70, 55; chr. rheum., basal pneu. 70; chr. rheum., pneu. 50, 70; chr. rheum., dropsy 60; arthritis deformans 65, 65, 75; osteo-arthritis, pneu. 50, 50; rheumatoid arthritis, diabetes 35; rheum. arth., meningitis 55; rheum. arth., fatty heart, bronch. 60; rheum. arth., myocardial dis. 50; rheum. arth., ht. dis. 55; rheum. arth., arterio-sclerosis 55; rheum. arth., bronch. 50, 65, 85, 15, 20, 45, 60, 60, 70; rheum. arth., bronch., br.-pneu. 55; rheum. arth., bronch., chr. nephritis 70; rheum. arth., br.-pneu. 55, 35, 40, 50, 50; rheum. arth., pneu. 60, 70, 35, 45, 55, 60, 65, 65, 70; rheum. arthritis, gangrene of leg 60; gout, cereb. hæm. 65; gout, hemiplegia, paralysis 60; gout, dilated ht. 75; gout, pneu. 60, 75; gout, albuminuria 60.
- (49). Scurvy, meningitis, pneumonia 0.
- (50). Gastric influenza, diabetes 65, 50; spanish influenza, diabetes 30; diabetes, exophthalmic goitre, pleurisy 30; diabetes, anæmia 45; diabetes, toxæmia 25; diabetes, myocarditis 45; diabetes, valv. dis. 35; diabetes, valv. dis., asthma 55; diabetes, myocardial degeneration 60; diabetes, arterio-sclerosis, pneu. 60; diabetes, capillary bronch. 60; diabetes, bronch. 55, 65, 70, 35, 50, 55, 60, 70, 75; diabetes, br.-pneu. 30, 45, 65, 65, 45, 45, 50, 65, 75; diabetes, lobar pneu. 20, 30, 35, 30; diabetes, pneu., empyema 50; diabetes, pneu., pleurisy 45; diabetes, pneu., albuminuria 40; diabetes, pleurisy 35; diabetes, pulm. congestion 55; diabetes, hæmoptysis 65; diabetes, gastro-enteritis 65; diabetes, nephritis 65; acetonaemia 1; glycosuria 20, 55, 60; glycos., Graves' dis. 45; glycos., degen. of ht. 80; glycos., chr. myocarditis 65; glycos., capillary bronch., acute nephritis 60; glycos., purulent bronch. 70.
- (51). Exophthalmic goitre, aortic regurg. 45; exoph. goitre, valv. dis. 40; exoph. goitre, dilated ht. 40; exoph. goitre, ht. dis. 45, 25, 40; exoph. goitre, phlebitis 50; exoph. goitre, bronch. 40, 45; exoph. goitre, bronch., pulm. œdema 45; exoph. goitre, br.-pneu. 15, 15, 15, 30, 50; exoph. goitre, pleuro-pneu. 30; exoph. goitre, lobar pneu. 30; exoph. goitre, double pneu. 15, 15, 25, 30; exoph. goitre, pneu. 45, 20, 20, 25, 25, 30, 35, 40; exoph. goitre, confinement 30; Graves' dis., pericarditis, mitral dis., pneu. 40; Graves' dis., dilated ht. 50; Graves' dis., pulm. embolism 15; Graves' dis., tachycardia 35; Graves' dis., bronch. 25, 45; Graves' dis., br.-pneu. 30, 50, 55, 70; Graves' dis., pneu. 35; Graves' dis., pneu., enteritis 30; hyperthyroidism 55.
- (52). Addison's disease 70; suprarenal and thyroid insufficiency 80.
- (53). Leucocythæmia 10, 40, 55; leucocythæmia, br.-pneu. 1; leucocythæmia, pneu. 40; spleno-medullary leucocythæmia, pneu. 40; leuchæmia 10, 50; spleno-medullary leuchæmia, 40, 25; spleno-medullary leuchæmia, pneu. 15; splenic leuchæmia 35; splenic leuchæmia, pneu. 15; splenic leuchæmia, hæmatemeses 15; splenic leuchæmia, enlarged spleen 30; lymphadenoma 40, 60; Hodgkin's disease 50, 70, 15; Hodgkin's dis., bronch. 55; Hodgkin's dis., pneu. 5, 15.
- (54). Splenic anæmia 15, 40, 60; splenic anæmia, br.-pneu. 10; Banti's disease, double pneu. 30; catarrhal pyrexia, pernicious anæmia 25; pernicious anæmia, mitral regurg. 50; pern. anæmia, val. dis., pneu. 15; pern. anæmia, ht. dis. 45; pern. anæmia, bronch. 45, 50, 40, 45, 50; pern. anæmia, br.-pneu. 50, 60; pern. anæmia, double pneu. 35, 45; pern. anæmia, septic pneu. 40; pern. anæmia, pneu. 45, 50, 20, 25, 35; pern. anæmia, pulm. congestion 35; anæmia and chlorosis 20; anæmia, men. 15; anæmia, paralysis of vagus nerve 20; anæmia, mitral dis. 20; anæmia, valv. dis. 20; anæmia, ht. dis. 25; anæmia, cerebral embol. 20; anæmia, cerebral thrombosis 45; anæmia, laryngitis 45; anæmia, bronch. 15, 25, 40, 45, 55; anæmia, bronch., chr. dyspepsia 25; anæmia, br.-pneu. 15, 25, 30; anæmia, lobar pneu. 40; anæmia, lobar pneu., pregnancy 20; anæmia, septic pneu., pharyngeal abs. 35; anæmia, pneu. 20, 35, 2, 20, 25, 25, 30, 40, 45; anæmia, pneu., menorrhagia 45; anæmia, pneu., pregnancy 30; anæmia, hæmoptysis 25; anæmia, dyspepsia 50; anæmia, diarrhœa 15; anæmia, acute nephritis 20; anæmia, metrorrhagia 35; anæmia, uterine hæmorrhage 40; anæmia, labour 35; anæmia, puerperal nephritis 40; chlorosis 45, 15, 35, 35, 40; chlorosis, valv. dis. 40, chlorosis, br.-pneu. 25, 30; chlorosis, abortion 25.
- (55). Diabetes insipidus 15; diabetes insipidus, br.-pneu. 70; diabetes insipidus, chr. nephritis 35; purpura, endoc. 1; purpura, epistaxis, hæmoptysis 4; purpura, bronch. 3; purpura, br.-pneu. 0, 55;



LIST SUPPLEMENTARY TO TABLE XXI.—*continued.*

purpura, pleuro-pneu. 5; purpura, pneu. 25, 50; purpura, infarction of lung 5; purpura, tonsillitis 15; purpura, melæna 55; purpura, coma 20; hæmophilia 30, 20, 30; hæmophilia, valv. dis. 25, 20; hæmophilia, pneu. 30; hæmophilia, uterine hæmorrhage 15; acidosis 1, 10; acromegaly 20, 25; amyloid dis. 1; infantilism 35; obesity 25; obesity, fatty heart 40; obesity, bronch. 50; gastric influenza, toxæmia, diarrhœa, 20; typhoid influ., tox. 30; epidemic catarrh, tox., pneu. 25; Spanish influ., tox. 30; Spanish influ., tox., miscarriage 35; tox., meningitis 40, 45, 50, 55; tox., cerebral congestion 15; tox., cere. congestion, br.-pneu. 10; tox., palsy, pneu. 20; tox., epilepsy, 20, 65; tox., epilepsy, pulm. congestion 25; tox., convulsions 0, 3, 5, 5, 3, 5; tox., convulsions, br.-pneu. 20; tox., neurasthenia 30; tox., ac. myocarditis 30; tox., mitral regurg. 70; tox., valv. dis. 25, 45; tox., chr. endoc. 50; tox., myocardial degeneration, gangrene 45; tox., dilated ht. 15, 55, 25, 40; tox., chr. myocarditis 35; tox., arterio sclerosis 70, 70; tox., laryngitis 2, 15; tox., bronchiolitis 25; tox., capillary bronch. 55; tox., bronch. 20, 45, 60, 0, 5, 10, 15, 30; tox., bronch., br.-pneu. 60; tox., bronchitis, pneu. 20; tox., septic br.-pneu. 25, 25, 30; tox., br.-pneu., hæmoptysis, hæmatemesis 25; tox., br.-pneu., nephritis 30, 40; tox., pleuro-pneu. 20, 45; tox., double pneu., nephritis 25; tox., septic pneu., chr. nephritis 65; tox., pneu., pleural effusion 15; tox., pneu., gingivitis 3; tox., pneu., tonsillitis 45; tox., pneu., abortion 40; tox., pneu., cholecystitis 35; tox., empyema, 3, 40; tox., pleurisy 30, 40, 65; tox., pulm. congestion 30, 45, 45, 25, 30, 30, 35, 40; tox., pul. cedema 50; tox., hypostatic pneu. 25, 30, 50, 65; tox., tonsillitis 4, 25, 25, 50, 50; tox., follicular tonsillitis 25; tox., hæmatemesis 30; tox., diarrhœa 60; tox., inflammation of bowels 2; tox., gastro-enteritis 1; tox., appendicitis 5, 15; tox., malignant jaundice 10; tox., catarrhal jaundice 30; tox., albuminuria 15; tox., chr. kidney dis. 10; tox., nephritis 60; tox., mammary abs. 45; tox., miscarriage 20, 30, 35; tox., childbirth 30; tox., puerperal eclampsia 30; tox., gangrene of arms and legs 25; tox., hyperpyrexia 2, 20, 30, 25, 25, 25, 35, 35, 55; tox., coma 5, 15, 20, 50; tox., delirium 15, 25, 15; meningeal toxæmia 20; cerebral tox., pneu. 20.

(56). Alcoholism 35, 45, 50, 50, 60, 75, 45; alcoholism, senile degeneration of heart 70; alcoholism, pneu. 30, 45, 50; alcoholism, pneu., hæmoptysis 50; alcoholism, hypostatic pneu. 45; alcoholic delirium 35; delirium tremens 25, 25, 35, 40, 50, 55; delirium tremens, bronch. 50; delirium tremens, br.-pneu. 30; delirium tremens, double pneu. 30; delirium tremens, pneu. 30, 35, 50, 65.

(60). Cerebral abscess 5, 30, 10, 10, 15, 25, 35; cer. abs., cer. spinal men., middle ear dis. 25; cer. abs., men. 10; cer. abs., mastoid abs., br.-pneu. 1; cer. abs., otitis media 15, 25; cer. abs., empyema 45; cer. abs., frontal sinus abs. 10; inflammation of brain 25, 60, 15, 45; inflam. of brain, convuls. 5; cerebritis languid 35; cerebritis, hemiplegia 25; cerebritis, double pneu. 2; brain fever, pneu. 20; epidemic encephalitis 20; acute primary hæmorrhagic encephalitis 45; mesencephalitis 35; local encephalitis 45; enceph., septic men. 20; enceph., men. 0; enceph., chronic infantile paralysis 40; enceph., paralysis 25; enceph., convulsions 3; enceph., mastoid dis. 50; enceph., otitis media 55; enceph., tachycardia 65; enceph., br.-pneu. 1, 5, 35; enceph., pneu. 15, 20, 10, 30, 30; enceph., menopause 50; enceph., pregnancy 25; enceph., coma 30, 20; encephalitis lethargica, putrid bronch., pneu. 45; enceph. lethargica, septic br.-pneu. 50; enceph. lethargica, pneu. 3.

(61). Cerebro-spinal fever 30; basal men., laryngitis, capillary bronch. 20; basal men., br.-pneu. 1, 2; basal men., pneu. 5; basal men., ethmoiditis 5; posterior basal men. 2, 65, 15; post basic men. 3, 5; basic men. 5, 15, 15, 25; basic men., paralysis sixth nerve, convulsions, pneu. 3; basic men., pneu. 35; pneumococcal men. 0, 5, 25, 35, 15, 35, 50; pneumoc. men., br.-pneu. 3, 45; pneumoc. men., lobar pneu. 30; pneumoc. men., pneu. 20, 25, 30, 30, 30, 30; pneumoc. men., empyema 25; pneumoc. men., coma 5; septic leptomeningitis 5; leptomeningitis 30, 65; leptomen., serous effusion on brain 75; cerebro-spinal men. (pneumococcal) 30; cere. spinal men., paralysis, pneu. 20; cere. spinal men., convulsions 15; cere. spinal men., pneu. 45; cere. spinal men., hydrocephalus 4; cere. spinal men., coma 15; inflammation of spinal meninges 15; spinal men. 20, 25, 30, 0, 1, 15; meningoencephalitis 30, 30, 45; meningoenceph., bronch. 20; meningoenceph., pneu. 20; cerebral pachymeningitis 35; cephalomeningitis 65; catarrhal fever, cerebral men. 1; catarrhal fever, cer. men., br.-pneu. 4; septic cer. men. 15; cerebral men., epilepsy 15; cer. men., convulsions 0, 2, 2, 3, 4, 5, 15, 40, 1; cer. men., bronchial catarrh 5; cer. men., bronch. 0, 70, 1, 4; cer. men., br.-pneu. 2, 30, 5, 5, 5, 10, 25; cer. men., lobar pneu. 2, 4, 1, 5, 10, 20, 25; cer. men., pneu. 3, 5, 20, 45, 10, 15, 20, 20, 25, 30, 50; cer. men., pulm. congestion 35; cer. men., pharyngitis 15; cer. men., entero colitis 3; cer. men., coma 3, 5, 20; purulent men. 70; pur. men., coma 35; septic men., otitis media 5; septic men., pericarditis, lobar pneu. 30; septic men., br.-pneu. 3; septic men., pneu. 40; suppurative men. 5; suppurative men., otitis media, pneu. 10; abdominal influenza, men. 5; gastric influenza, men., catarrhal pneu., septic throat 25; catarrhal fever, men. 0; men., disseminated sclerosis 30; men. myelitis 10; men., cer. hæmorrhage 2; men., cer. congestion 25; men., mania, pneu. 40; men., epilepsy 15, 5, 10, 30, 30; men., convulsions, bronch. 3; men. conv., br.-pneu. 1, 2, 2, 4; men., conv., pneu. 5, 10, 0, 35; men., conv., pulm. congestion 15; men., conv., coma 15; men., mastoiditis 5; men., middle ear dis. 15; men., otitis media, double pneu. 35; men., otorrhœa 10; men., pericarditis 20; men., septic endoc. 15; men., endoc. 5, 10, 15, 35; men., mitral regurg. 25; men., mitral stenosis 60; men., lobular pneu. 1; men., lobular pneu., pleurisy 20; men., br.-pneu., pyrexia 25; men., pleuro-pneu. 15; men., septic pneu. 20, 25, 40, 25, 25; men., pneu., pleurisy 30; men., pneu., pulm. abs. 35; men., pneu., premature childbirth 25, 30; men., pneu., coma 15; men., pleuropericarditis 10; men., pulm. congestion 40, 40, 50, 3, 30; men., passive pneu. 25; men., pharyngitis 2; men., gastritis 2, 20; men., infective enteritis 0; men., green diarrhœa 0; men., jaundice 5; men., albuminuria 45; men., nephritis 40; men., confinement 30; men., gunshot wound 25; men., dentition 1; men., hyperpyrexia 1, 1, 15, 20, 35; men., hyperpyrexia, coma 0; men., delirium 45, 70.

(62). Locomotor ataxy, arterio sclerosis 50; loco. ataxy, bronch. 35, 55; loco. ataxy, double pneu. 50; loco. ataxy, pneu. 35, 40, 50, 55; loco. ataxy, pulm. congestion 50, 75; loco. ataxy, gastric ulcer 45; loco. ataxy, nephritis 45; tabes dorsalis, bronch. 35, 50, 50; tabes dorsalis, pneu. 35.

(63). Bulbar paralysis, 30, 40, 50, 75, 30, 60, 65; bulbar paral., br.-pneu. 50; progressive bulbar paral., bronch. 40; labio-glosso-pharyngeal paral. 55, 65; myasthenia gravis 15, 25; myas. gravis, pneu. 20, 20; paralysis agitans, bronch. 75, 70, 75; paral. agitans, pleuro-pneu. 75; paral. agitans, pneu. 55, 65, 25, 55; progressive muscular atrophy 35, 35, 40, 50, 55, 75, 30; progressive muscular



LIST SUPPLEMENTARY TO TABLE XXI.—*continued.*

atrophy, br.-pneu. 35 ; prog. musc. atrophy, pneu. 10 ; pseudo hypertrophic musc. atrophy, pneu. 10 ; pseudo hypertrophic paralysis 10, 10, 15, 20, 30, 15 ; pseudo hyper. paral., bronch. 15 : pseudo hyper. paral., br.-pneu. 30, 40 ; pseudo hyper. paral., pneu. 20, 25 ; polioencephalitis 5, 5, 30 ; polioenceph., cer. hæm. 5 ; polioencephalitis inferior, pneu., nephritis 20 ; acute polioencephalitis 10 ; infantile paralysis, idiocy 15 ; infant. paral., br.-pneu. 15 ; infant. paral., pneu. 10, 15, 20, 30, 5, 20 ; infant. paral., enteritis 5 ; polioencephalomyelitis 15 ; anterior poliomyelitis 10, 10 ; poliomyelitis 45, 10 ; poliomyelitis, endoc. 2 ; chronic anterior poliomyelitis 55, 80 ; Friedreich's ataxy 25, 25 ; Friedreich's ataxy, pneu. 25, 40, 10 ; combined sclerosis 35 ; spinal sclerosis 35, 35, 50, 65, 10, 25, 50, 50 ; spinal scler., bronch. 65, 55 ; spinal scler., br.-pneu. 15, 20 ; insular sclerosis 45, 20, 50 ; insular scler., pneu. 45 ; posterior sclerosis 40 ; amyotrophic lateral sclerosis 60 ; primary lateral sclerosis 50 ; lateral scler., creeping paralysis, bronch. 60 ; lateral scler., pneu. 25 ; cerebro-spinal sclerosis 25 ; multiple sclerosis, pneu. 20 ; disseminated sclerosis, br.-pneu. 35, 45 ; dissem. scler., pneu. 35, 20, 30, 45 ; acute ascending myelitis 15, 35, 50 ; septic ascending myelitis 40 ; transverse myelitis 30, 30, 55, 45 ; trans. myelitis, paralysis 60 ; disseminated myelitis 15, 55 ; chronic myelitis 80 ; myelitis, paraplegia 55 ; myelitis, paraplegia, pneu. 45 ; myelitis, paraplegia, pulm. congestion 15 ; myelitis, bronch. 10 ; myelitis, lobar pneu. 45 ; myelitis, pneu. 20, 20, 55 ; spinal myelitis, bronch. 40 ; syringomyelia 40 ; ataxic paraplegia 35, 70 ; spastic paraplegia 20, 35, 35, 45, 50, 55, 60, 4, 60 ; spastic paraplegia, apoplexy, br.-pneu. 70 ; spastic paraplegia, br.-pneu. 50 ; spastic paraplegia, pneu. 25 ; spastic paraplegia, bed-sores 30 ; acute ascending paralysis 55, 70, 70 ; primary spastic paralysis 45 ; spastic paralysis 40 ; spinal paralysis 30, 35 ; spinal paral., br.-pneu. 35 ; spinal paral., pneu. 25 ; familiar paralysis, br.-pneu. 15 ; spinal affection 15 ; infection of medulla oblongata, br.-pneu. 65 ; hæmorrhage into spinal cord, paraplegia, br.-pneu. 75.

(64). Apoplexy, hemiplegia, pneu., 50 ; apop., paraplegia 50 ; apop., epilepsy 40 ; apop., mitral dis., pneu. 60 ; apop., valv. dis. 65 ; apop., arterio sclerosis, pneu. 70 ; apop., cer. embol., bronch. 80 ; apop., bronch. 65, 70, 70, 70, 65, 65 ; apop., bronch., pulm. congestion 60 ; apop., br.-pneu. 40 ; apop., pneu. 55, 70, 50, 70, 85 ; apop., pleurisy 65, 65 ; apop., diarrhœa 70 ; apop., herpes zoster 55 ; apop., coma 70, 80 ; apoplectic stroke 80 ; stroke 75, 75 ; cerebral effusion 35, 35, 15, 25, 35, 40, 40 ; cer. eff., bronch. 25 ; cer. eff., br.-pneu. 5 ; cer. eff., pneu. 45, 45 ; cer. eff., pulm. congestion 45 ; cer. eff., coma 2 ; serous effusion 30 ; serous apoplexy 75, 80 ; cer. œdema 45 ; œdema pons, convulsions, coma 45 ; cerebral congestion, convulsions 0 ; cer. congest., middle ear dis. 15 ; cer. congest., bronch. 30, 50 ; cer. congest., br.-pneu. 2 ; cer. congest., lobar pneu. 5 ; cer. congest., pneu. 30, 65, 0, 30, 30 ; congestion of brain and lungs 20, 30, 35, 70, 50 ; cer. congest., diffuse hepatitis 1 ; cer. congestion, coma, 30 ; cer. hyperæmia, hysteria 30 ; cer. hyperæmia, bronchitis 70 ; cer. atheroma 65 ; cer. atheroma, cer. thrombosis 40 ; cer. hæmorrhage, hemiplegia 55, 65, 65, 15, 35, 55, 75 ; cer. hæm., hemiplegia, bronch. 75 ; cer. hæm., hemiplegia, pleurisy 65 ; cer. hæm., hemiplegia, chr. interstitial nephritis 70 ; cer. hæm., paraplegia 65 ; cer. hæm., cer. palsy, pneu. 65 ; cer. hæm., middle ear dis. 35 ; cer. hæm., mitral and aortic dis. 55 ; cer. hæm., ht. dis., bronch., coma 55 ; cer. hæm., atheromatous vessels 55 ; cer. hæm., arterio sclerosis 50, 60 ; cer. hæm., art. scler., pleurisy 50 ; cer. hæm., art. scler., pulm. congestion 60 ; cer. hæm., bronch., lobar pneu. 20 ; cer. hæm., br.-pneu. 60, 60, 75, 30, 35, 45, 80 ; cer. hæm., hypostatic congestion of lungs 75 ; cer. hæm., pulm. congestion 70, 45, 60, 60, 70 ; cer. hæm., jaundice 50 ; cer. hæm., acute nephritis 35 ; cer. hæm., fibroid uterus 40 ; cer. hæm. (basal), fracture base of skull 12 years ago 40 ; cer. hæm., coma 25, 50, 40, 50, 55, 60, 65, 70, 70.

(65). Cerebral softening 50, 65, 65, 65, 70, 25, 55, 65, 75, 75 ; cer. soft., hemiplegia 55 ; cer. soft., paralysis 50, 75 ; cer. soft., cer. embol. 60, 60 ; cer. soft., bronch. 60, 75 ; cer. soft., lobar pneu., renal cirrhosis 60.

(66). Hemiplegia, epilepsy 60 ; hem., aortic dis. 45 ; hem., aortic dis., cer. thrombosis 25 ; hem., mitral dis., bronchial catarrh 55 ; hem., valv. dis. 35, 60 ; hem., chr. myocarditis 60 ; hem., dilated ht. 80 ; hem., art. scler. 35 ; hem., cer. embol. 60, 60, 75 ; hem., cer. thrombosis 60, 70, 75 ; hem., cer. thromb., pneu. 5 ; hem., cer. thromb., suppuration of frontal sinus 20 ; hem., septic embol., pneu., empyema 35 ; hem., embol. 50 ; hem., bronchiectasis, br.-pneu. 60 ; hem., bronchial catarrh 65 ; hem., bronch. 65, 70, 75, 80, 10, 40, 45, 65 ; hem., bronch., osteoma of skull 70 ; hem., double pneu. 65, 85 ; hem., double pleuro-pneu. 40 ; hem., pneu. 55, 60, 65, 20, 30, 60, 65, 70 ; hem., hypostatic pneu. 60 ; hem., coma 60 ; hem., operation on brain 10 ; catarrhal fever, paraplegia 55 ; congenital paraplegia 20 ; paraplegia, cer. compression 3 ; parap., neurasthenia, lobar pneu., gassed 20 ; parap., bronch. 50, 80 ; parap., pneu. 25, 35, 40, 65 ; cerebral diplegia 20, 15 ; cer. paralysis 35, 65, 70, 35, 40, 65, 75 ; congenital cer. paral. 3 ; facial paral. 65 ; general paral. 55, 65 ; general paral., pneu. 30 ; vasomotor paral. 35 ; paral., ulcerative endoc., br.-pneu. 20 ; paral., ht. dis., cer. embol. 70 ; paral., cer. embol. 55 ; paral., br.-pneu. 65, 75 ; paral., pneu. 30, 60 ; paral., gastritis, dilatation of colon 40 ; paral., diarrhœa 25 ; paral., childbirth 20.

(67). Dementia paralytica 25, 45 ; general paral. of insane, br.-pneu. 55, 20 ; gen. par., lobar pneu. 25, 55, 50 ; gen. par., pneu. 35, 40, 50, 50, 55, 20, 55 ; gen. par., pulm. congestion 35, 35.

(68). Gastric influenza, dementia, 60 ; dementia, valv. dis. 60 ; dementia, fatty ht. 70 ; dementia, bronch. 35, 40 ; dementia, br.-pneu. 50 ; dementia, gastro enteritis 65 ; dementia, renal dis. 65 ; dementia, gangrenous sore 55 ; dementia, pyrexia 45 ; secondary dementia 60 ; secondary dementia, pneu. 35 ; delusional insanity 50, 55, 60 ; delusional insanity, pneu. 45, 55, 30, 40, 55 ; insanity 70, 60 ; insanity, delirious mania 70 ; mania, aortic dis. 25 ; mania, valv. dis. 45 ; mania, br.-pneu. 20 ; mania, double pneu. 40, 55 ; mania, depressive insanity, br.-pneu. 45 ; mania, depressive insanity, pneu. 35 ; maniacal delirium 15 ; maniacal delirium, bronch. 80 ; maniacal fits, pneu. 45 ; melancholia, pericarditis 40 ; mental stupor 15, 35.

(69). Epileptic insanity 25, 40, 60 ; epil. insanity, pneu. 30, 30, 30, 25, 25 ; epil. imbecility 10, 30, 30 ; epil. imbecility, br.-pneu. 25 ; epil. imbecility, pneu. 5, 5, 15, 20, 35, 45 ; epileptic dementia 20 ; epil. dementia, pneu. 35, 45 ; epileptic convulsions 30 ; epil. convulsions, apncea 40 ; epil. fit 10, 10 ; epil. fit, bronch. 1 ; epil. fit, br.-pneu., diarrhœa 35 ; epil. seizure 60 ; Spanish influenza, fit 5 ; fits 3, 30 ; status epilepticus 30, 30 ; traumatic epilepsy 20 ; cerebral influenza, epilepsy 25 ; epilepsy, convulsions 5 ; epil., chorea, br.-pneu. 25 ; epil., congenital idiocy 25 ; epil., valv. dis., br.-pneu. 20 ; epil., dilated ht. 25 ; epil., ht. dis. 60 ; epil., myocardial degeneration 60 ; epil., bronchial catarrh 5 ;



LIST SUPPLEMENTARY TO TABLE XXI.—*continued.*

epil., capillary bronch. 15; epil., lobar pneu. 15, 25, 20, 25; epil., pneu., empyema 25; epil., pneu., pleurisy 25; epil., pulm. congestion 40; epil., chr. renal dis. 55; epil., microcephalic undevelop-ment 10; epil., accidental injury to head 8 years ago 35; epil., coma 15.

(70 & 71). Epileptiform convulsions 5, 30, 10, 15, 25, 45; epileptiform conv., pneu. 10; epilep-tiform conv., coma 60; catarrhal fever, convulsions with teething 0; conv., dentition, bronch. 1; conv., dentition, bronch., pneu. 0; conv., dentition, br.-pneu. 0; gastric influenza, convulsions 10; gastric influenza, conv., jaundice 4; gastro-enteric influenza, conv. 4; catarrhal fever, conv. 2; catarrhal fever, conv., lobar pneu. 5; conv., chorea 5; conv., idiocy 15; conv., cerebral tumour 40; conv., brain atrophy (trauma 20 years ago) 20; conv., ht. dis., cer. embol. 35; conv., pulm. embol. 40; conv., adenitis 0; conv., laryngeal spasm 0, 5; conv., laryngitis 5, 0, 0; conv., bronchial catarrh 0, 3; conv., capillary bronch. 0, 2, 1; conv., bronch., br.-pneu. 1, 2; conv., bronch., pneu. 0, 0, 0; conv., bronch., gastro intestinal catarrh 0; conv., lobular pneu. 1, 3, 3; conv., lobar pneu. 0, 15, 30; conv., double pneu. 2, 2; conv., apical pneu. 0; conv., pneumonitis 15; conv., septic pneu. 5; conv., pneu., hæmatemesis 15; conv., pneu., gastro-enteritis 20; conv., pneu., asphyxia 0; conv., pleurisy 15; conv., congestion of lungs and liver 50; conv., stomatitis 1; conv., quinsy 3; conv., tonsillitis 4; conv., gastritis 3, 5, 5, 10; conv., intestinal catarrh, diarrhœa 10; conv., diarrhœa 1, 1, 3, 0, 0, 1, 1, 5, 5; conv., enteritis 0, 0, 0, 1, 0; conv., enteritis, ascaris lumbricoides 2; conv., gastro-enteritis 15, 0, 4, 5, 20; conv., peritonitis 4; conv., nephritis 10; conv., renal insufficiency 5; conv., cellulitis of foot 15; conv., hydrocephalus 1, 2; conv., congenital ht. dis. 3; conv., accelerated by scalds 5; conv., hyperpyrexia 1, 1, 2, 4, 15, 0, 1, 2; conv., asphyxia 3, 1; conv., coma 2, 15, 0, 1; fits 1.

(72). Choreal insanity 20; chorea, endoc. 10; chorea, mitral regurg., pneu. 25; chorea, mitral dis. 5; chorea, ht. dis., pneu. 35; chorea, br.-pneu. 10; chorea, premature childbirth 20; chorea, pregnancy 30.

(73). Neuralgia 70; neuralgia, bronch. 55; sciatica 60; sciatica, bronch. 80; sciatica, hæmoptysis 55; multiple neuritis 20; peripheral neuritis 5, 30, 40, 75; peripheral neur., br. pneu 30; peripheral neur., pneu. 50; polyneuritis 75; neuritis, ht. dis. 45; neuritis, pleurisy 45.

(74). Amentia 25; idiocy 4, 15, 15; idiocy, pneu. 15; idiocy, pleurisy 15; imbecility, valv. dis. 50; imbec., capillary bronch. 40; imbec., bronch. 50, 50; imbec., br.-pneu. 15, 35, 20, 40; imbec., lobar pneu. 30, 40; imbec., double pneu. 30; mental deficiency, pneu. 25, 25, 30, 40; mongolism 1; mongolism, pneu. 20; cretinism 5, 30, 10; cretinism, bronch 15; cretinism, pneu. 25; cretinism (sporadic), hypostatic pneu. 20; cerebral neoplasm 35; cerebral tumour 60, 5; cer. tumour, lobar pneu. 10; cer. atrophy, fatty ht., lobar pneu., chr. renal cirrhosis 75; cer. atrophy, asthma 40; cer. degeneration 75, 85; cer. degen., lobar pneu. 65; cer. derangement, pneu. 45; organic dis. of brain 15; cer. disease 3, 20; cer. dis., fibroid degen. of ht. 45; cer. dis., lobar pneu. 35; cer. diplegia, congenital ht. dis. 2; cer. sclerosis 55; cer. irritation 5; hiccough, gastritis 45; insomnia 60; neurasthenia, ht. dis. 25; neurast., bronch. 65, 70; neurast., pneu. 25; nervous exhaustion 35, 65; nervous exhaustion, gunshot wound 30; nervous debility 50; nervous debility, gastritis 25; paralysis of phrenic nerve, br.-pneu. 5; senile chorea 80; congenital spastic paralysis, bronch. 3; spastic diplegia 15; tetany 1, 1; tetany, br.-pneu. 3.

(75). Glaucoma 35; iritis, pneu., parotitis, carbuncle, cellulitis 55; keratitis, pneu. 30; lacrymal abs. 50; ophthalmia 2; suppurative panophthalmitis, br.-pneu. 25.

(76). Mastoid abs., otitis media 60; mastoid inflammation 15; mastoiditis 5, 5, 40; mastoiditis, otitis media 15; mastoid dis. 10; mastoid dis., mastoid abs. 15; mastoid dis., lateral sinus thrombosis., pneu. 65; mastoid dis., pneu. 10; Ménière's dis. 60; middle ear abs. 15; middle ear abs., cer. thromb., pneu. 4; inner ear abs. 40; abs. of ear, pneu. 15; abs. of ear and neck 15; inflammation of ear, lobar pneu. 35; middle ear dis. 5; middle ear dis., br.-pneu. 5; otitis media, endoc. 15, otitis media, bronch. 15; otitis media, br.-pneu. 2, 2, 25, 2, 4; otitis media, lobular pneu. 4; otitis media, lobar pneu. 15; otitis media, pleuro-pneu., miscarriage 25; otitis media, septic pneu. 15; otitis media, pneu. 1, 5, 5, 25; otitis media, pleurisy 30.

(77). Pericarditis, endoc. 25, 35, 45, 10; peric., valv. dis., lobar pneu., chr. renal cirrhosis 65; peric., valv. dis., pneu. 10; peric., ht. dis. 30; peric., bronch. 4, 25, 60, 65; peric., bronch., pneu. 25; peric., br.-pneu. 3, 10, 60, 4, 15, 20, 45; peric., br.-pneu., empyema 10; peric., br.-pneu., albuminuria 45; peric., lobar pneu. 30, 15, 20, 30, 40; peric., double pneu. 15, 25, 30, 30, 30; peric., croupous pneu. 45; peric., pleuro pneu. 15, 10, 20, 30, peric., pleuro-pneu., pleurisy, pulm. congestion 50; peric., septic pneu. 35, 55; peric., pneu., empyema 15, 20, 25; peric., pneu., pleurisy 15; peric., pneu., childbirth 20; peric., empyema 20; peric., empyema, pleuritis 5; peric., pleuritis 50; peric., pleurisy 25, 30, 30, 20, 25, 25; peric., pulm. cong. 30; peric., pulm. cedema 20; peric., gastritis 35; peric., acute nephritis 10; peric., hyperpyrexia 20, pericardial effusion, bronch. 35.

(78). Gastric influenza, myocarditis 40; myoc., endoc. 40; myoc., endoc., valv. dis. 45; myoc., mitral regurg. 30; myoc., dilated ht. 45, 40, 50, 70; myoc., arterio sclerosis 85; myoc., pulm. embol. 20; myoc., bronchial catarrh 65; myoc., br.-pneu. 25, 50, 25, 30, 30, 35, 50, 50; myoc., br.-pneu., pleurisy 15; myoc., lobular pneu. 2; myoc., double pneu. 55; myoc., septic pneu. 25; myoc., pleuritis 55; myoc., pleurisy 25, 20, 25; myoc., pleurisy, gastro-intestinal catarrh 50; myoc., pulm. cong. 5, 40, 55; myoc., pulm. cedema 55; myoc., pulm. gangrene 40; myoc., asthma 45; myoc., enteritis 40; myoc., catarrhal cholangitis 15; myoc., jaundice, suppression of urine 65; myoc., ascites 35; infective endocarditis 10, 30, 30, 65, 5, 10; infect. endoc., thrombophlebitis 45; infect. endoc., pneu. 4, 35; infect. endoc., pleurisy 55; malignant endocarditis 30, 10, 20, 25, 30; malig. endoc., cer. embol. 45; malig. endoc., embolism, br.-pneu. 30; malig. endoc., pneu. 35; malig. endoc., pleurisy 35; malig. endoc., diarrhœa 30; Spanish influenza, septic endoc. 60; septic endoc. 15, 45, 30, 35, 35; septic endoc., phlebitis 30; septic endoc., septic pneu. 35; septic endoc., septic pneu., empyema, multiple abs. 35; septic endoc., pneu., pulm. abs. 50; ulcerative endocarditis 5, 20, 20, 10, 25, 25, 30, 35; ulcer. endoc., cer. embol. 20, 40; ulcer. endoc., pneu. 25, 25; endocarditis, cer. embol. 10, 20; endoc., pulm. embol., pneu. 55; endoc., embolism 45; endoc., thrombosis, double pneu. 30; endoc., thromb., pleurisy 45; endoc., thromb., gangrene of leg 20; endoc., capillary bronch. 15; endoc., bronch 35, 35, 40, 40, 55, 60; endoc., lobar pneu. 30, 30, 35, 35; endoc., double pneu. 25, 10, 20; endoc., double pneu., enteritis 15; endoc., pleuro pneu. 35; endoc., pleuro-pneu., premature child-



LIST SUPPLEMENTARY TO TABLE XXI.—*continued.*

birth 20; endoc., septic pneu. 25, 30; endoc., empyema 55; endoc., pleurisy 3, 50; endoc., infarct of lung 30; endoc., asthma 40; endoc., pulm. hæmorrhage 45; endoc., nephritis 25; endoc., miscarriage 20, 30, endoc., parturition 30, 40; endoc., dropsy 15; endoc., asphyxia 25.

(79). Aortic, mitral, and tricuspid reflux, br.-pneu. 15; tricuspid regurg., bronch., emphysema, hæmoptysis 40; tricuspid regurg., pneu. 50; aortic and mitral regurg. 15, 25; aortic and mitral regurg., br.-pneu. 15, 70; aortic and mitral regurg., septic pneu. 20; aortic and mitral regurg., pneu. 25, 25; aortic and mitral regurg., pneu., miscarriage 35; aortic and mitral incompetence 30, 55; aortic and mitral incompetence, br.-pneu. 20, 25; aortic and mitral incompetence, double pneu. 65; aortic and mitral incompetence, pneu. 30; aortic and mitral incompetence, ascites 30; aortic regurg., mitral stenosis 55; aortic incompetence and mitral stenosis, br.-pneu. 20, 25; aortic and mitral stenosis 60; aortic and mitral stenosis, pulm. infarct 40; aortic and mitral dis., hypertrophy of ht., pneu. 30; aortic and mitral dis., cer. embol. 50; aortic and mitral dis., cer. embol., pulm. cong., ac. nephritis 45; aortic and mitral dis., bronch. 45; aortic and mitral dis., br.-pneu. 10, 55; aortic and mitral dis., double pneu. 25; aortic and mitral dis., lobar pneu. 35; aortic and mitral dis., pneu. 25, 30, 35, 65, 65, 15, 25, 30; aortic and mitral dis., childbirth 35; aortic and mitral dis., anasarca 30; aortic regurg. and stenosis 25, 55; aortic regurg. and stenosis, pneu. 15; gastro-enteric influenza, aortic regurg. 30; aortic regurg., bronch. 30; aortic regurg., br.-pneu. 30, 40, 40; aortic incompetence 20, 25, 30, 50, 60, 25, 50, 55; aortic incomp., br.-pneu. 55; aortic incompetence, double pneu. 40; aortic incomp., pneu. 30, 45; aortic stenosis 60, 30, 65; aortic sten., atheroma of aorta, bronch. 55; aortic sten., bronch. 60; aortic sten., br.-pneu. 65, 50; aortic sten. pneu. 45, 50; aortic obstruction, pneu. 35; aortic enlargement 75; aortic dis., dilated ht., bronch. 55; aortic dis., arterio sclerosis, pneu. 80; aortic dis., bronch. 25, 45, 50, 55, 75; aortic dis., br.-pneu. 30, 60, 50, 75; aortic dis., lobar pneu. 30; aortic dis., pneu. 15, 15, 25, 25, 25, 60, 30, 30, 70; aortic dis., pulm. cong. 55, 60; aortic dis., diarrhœa 35; aortic dis., chr. nephritis 65; aortic dis., abortion, 30; mitral regurg. and stenosis 20, 50, 20, 20, 25, 25, 25, 45; mitral regurg. and sten., bronchial catarrh 25, 25; mitral regurg. and sten., bronch. 60; mitral regurg. and sten., br.-pneu. 20, 30, 40, 60; mitral regurg. and sten., pneu. 30, 10, 20; mitral incompetence, dilated ht. 30, 50; mitral incomp., dilated ht., asthma 30; mitral incomp., bronch. 20, 40, 50, 60, 70, 15, 45, 45, 70; mitral incomp., br.-pneu. 1, 30, 30; mitral incomp., lobar pneu. 30; mitral incomp., pneu. 20, 15, 25, 50; mitral incomp., pleurisy 30, 55; mitral incomp., pulm. cong. 15; mitral incomp., pulm. œdema 45; mitral incomp., premature confinement 20; mitral incomp., ascites 65; gastric influenza, mitral regurg. 40; mitral regurg., fatty ht. 45; mitral regurg., dilated heart 75; mitral regurg., dilated ht., pulm. congest. 15; mitral regurg., angina pectoris 75; mitral regurg., art. scler. 70; mitral regurg., cer. thromb., pneu. 55; mitral regurg., goitre, pneu. 35; mitral regurg., capillary bronch. 3, 25; mitral regurg., bronch. 15, 40, 45, 65, 65, 15, 20, 25, 50; mitral regurg., lobar pneu. 55, 60, 20; mitral regurg., lobar pneu., abortion 25; mitral regurg., double pneu. 15, 20, 30, 50; mitral regurg., double pneu., pregnancy 35; mitral regurg., pneu., premature labour 25; mitral regurg., pleurisy 45; mitral regurg., pulm. congest. 15; mitral regurg., pulm. congest., diarrhœa 50; mitral regurg., peritonitis 50; mitral regurg., miscarriage 25; mitral regurg., pregnancy 35; mitral regurg., dropsy 20, 30; mitral obstruction, 35, 30, 35; mitral obs., embolism 20; mitral obs., br.-pneu. 50; mitral obs., pneu. 35; mitral stenosis, dilated ht. 30; mitral sten., pulm. embol. 20; mitral sten., pulm. thromb. 20; mitral sten., auricular fibrillation 35, 55; mitral sten., purulent bronch. 40; mitral sten., suppurative bronch. 25; mitral sten., bronch. 30, 20, 25, 45, 65; mitral sten., bronch., asthma 30; mitral sten., double pneu. 30, 20, 25, 30; mitral sten., lobar pneu. 30, 35, 20, 35; mitral sten., croupous pneu. 30; mitral sten., pneu., pleurisy 40; mitral sten., pneu., childbirth 25; mitral sten., pleurisy 15; mitral sten., pulm. congest. 25, 25, 35; mitral sten., hæmoptysis 45; mitral sten., premature childbirth 30; mitral sten., labour 20, 35; narrowing of mitral valve, pneu. 10; gastro-intestinal influenza, mitral dis. 75; mitral dis. and cardiac vascular degeneration, bronch. 65; mitral dis. and dilated ht. 15, 30, 55; mitral dis., dilated ht., pulm. congest. 70; mitral dis., cer. embol. 40, 55; mitral dis., cer. embol., gangrene of leg 50; mitral dis., cer. thromb. 75, 50, 75; mitral dis., pulm. embol., enteritis 70; mitral dis., cap. bronch. 25, 55; mitral dis., bronch., br.-pneu. 65; mitral dis., bronch., pneu., pregnancy 25; mitral dis., bronch., pulm. congest. 20, 55; mitral dis., bronch., asthma 45; mitral dis., catarrhal pneu. 20; mitral dis., br.-pneu., lobar pneu. 25; mitral dis., double pneu. 15, 60, 35; mitral dis., pleuro-pneu. 15, 30; mitral dis., septic pneu. 50; mitral dis., pneu., pleurisy 35; mitral dis., pneu., miscarriage 25, 30; mitral dis., pleurisy 35, 10, 30; mitral dis., pulm. congest. 20, 25, 35, 55, 55, 10, 20, 30; mitral dis., pulm. congest., dropsy 45; mitral dis., pulm. œdema 30, 40; mitral dis., asthma 25, 45, 55, 60, 45; mitral dis., fibroid phthisis (non tub.) 70; mitral dis., gastritis 30, 50; mitral dis., acute dyspepsia 20; mitral dis., gastro-enteritis 45; mitral dis., acute nephritis 5; mitral dis., pregnancy 25; mitral dis., childbirth 30, 35; mitral dis., gangrene 55; mitral dis., pyrexia 60; mitral dis., ascites 15; gastric influenza, chr. endoc. 80; chr. endoc., bronch. 60, 60, 30, 35, 65, 75, chr. endoc., bronch., pulm. congest. 70; chr. endoc., bronch., asthma 45; chr. endoc., br.-pneu. 25; chr. endoc., double pneu. 35; chr. endoc., lobar pneu. 35; chr. endoc., pneu. 25, 30, 60, 5, 25, 35; chr. endoc., pulm. congest. 60, 40; chr. endoc., pulm. œdema 30; chr. endoc., hæmoptysis, jaundice 20; chr. endoc., hepatic cirrhosis 65; chr. endoc., jaundice 30; gastric influenza, valv. dis. 70; catarrhal fever, valv. dis. 25; catarrhal fever, valv. dis., br.-pneu. 25; valvular incompetency 25; valv. dis., fatty ht. 45, 50; valv. dis., failure of compensation 65; valv. dis., dilated ht. 55, 15, 40, 50; valv. dis., hypertrophy of ht. 30, 40; valv. dis., myocardial degen. 65; valv. dis., myoc. degen., lobar pneu. 65; valv. dis., angina pectoris 30; valv. dis., art. scler. 75; valv. dis., cer. embol. 35, 65; valv. dis., auric. fibrillation, septic pneu. 30; valv. dis., goitre, br.-pneu. 60; valv. dis., bronchial catarrh 45; valv. dis., cap. bronch. 25, 40; valv. dis., bronch., br.-pneu. 65; valv. dis., bronch., pneu. 20, 60; valv. dis., bronch., pleurisy 60; valv. dis., bronch., pulm. congest. 30; valv. dis., bronch., asthma 45, 25, 65; valv. dis., bronch., emphysema 50; valv. dis., bronch., Bright's dis. 55; valv. dis., bronch., chr. nephritis 40; valv. dis., bronch., nephritis 55; valv. dis., bronch., premature confinement 25; valv. dis., br.-pneu., pulm. congest. 35; valv. dis., double pneu. 25, 35, 20, 25, 30, 35, 45, 50; valv. dis., double pneu., premature labour 25; valv. dis., pleuro-pneu. 15; valv. dis., croupous pneu. 25; valv. dis., pneu., pleurisy 25; valv. dis., pneu., appendicitis 35; valv. dis., pneu., abortion 20; valv. dis., pneu., pregnancy 20; valv. dis., pleuropericarditis 35; valv. dis., pleurisy 60; valv. dis., pleurisy, pulm. congest. 40; valv. dis., pulmonary and renal infarct. 20;



LIST SUPPLEMENTARY TO TABLE XXI.—*continued.*

valv. dis., pulm. congest. and œdema 30, 30; valv. dis., pulm. œdema 60; valv. dis., hypostatic pneu. 65; valv. dis., asthma 50, 55; valv. dis., asthma, Bright's dis. 70; valv. dis., fibrosis of lung 55; valv. dis., hæmoptysis, vomiting 30; valv. dis., quinsy 10; valv. dis., gastritis 50, 45; valv. dis., colitis 20; valv. dis., albuminuria 40; valv. dis., Bright's dis. 55, 65, 70; valv. dis., chr. nephritis 35; valv. dis., nephritis 25; valv. dis., uræmic convulsions 40; valv. dis., premature labour 30; valv. dis., confinement 25, 30; valv. dis., dropsy 20, 30, 15, 45, 70; valv. dis., hyperpyrexia 20; valv. dis., coma 15; rheumatic fibrosis of ht., failure of compensation 30; rheu. valv. dis. 10, 15, 25, 55; fatty degeneration of ht., chr. myoc. 30; fatty ht., dilated ht., 65; fatty ht., dilated ht., pneu. 45; fatty ht., dilated ht., gastro intestinal catarrh 65; fatty degeneration of heart, liver, and kidneys, venous thrombosis, abs. in gluteal region 40; fatty ht., cer. embol. 25; fatty ht., br.-pneu. 35, 3, 20, 20, 40; fatty ht., lobar pneu. 30, 65; fatty ht., double pneu. 35, 35; fatty ht., pulm. congest. 40, 60; fatty ht., pulm. œdema 30; fatty ht., cirrhosis of liver 60; fatty ht., jaundice 65; fatty ht., premature childbirth 30; fatty ht., dropsy 65; gastric influenza, chr. myoc. 70; chr. myoc. and dilated ht. 65; chr. myoc., dilated ht., bronch. 60; chr. myoc., cer. thromb. 75; chr. myoc., bronch. 55, 60, 60, 65, 70, 70, 75; chr. myoc., br.-pneu. 20, 65, 70, 45; chr. myoc., lobar pneu. 55; chr. myoc., pneu. 45, 60; chr. myoc., pulm. œdema 60; chr. myoc., chr. nephritis 40; chr. myoc., ascites and anasarca 60; fibroid degeneration 55, 65, 65, 45; fibroid degen., bronch. 50, 65; muscular degeneration 50, 55; muscular degen., bronch. 65; myocardial degen., coronary atheroma 70; myoc. degen., art. scler. 80; myoc. degen., art. scler., pneu. 65; myoc. and arterial degen. 50; myoc. degen., bronch. 50, 50, 60, 60, 70, 85, 55, 65; myoc. degen., bronch., empyema, interstitial pneu. 60; myoc. degen., br.-pneu. 65, 75, 75; myoc. degen., septic pneu. 50; myoc. degen., pneu. 40, 40, 50; myoc. degen., pneu., asthma 35; myoc. degen., pleurisy, gangrene of leg 45; myoc. degen., pulm. congest. 65; myoc. degen., hypostatic pneu. 50; myoc. degen., pulm. gangrene 50; degeneration and dilatation of heart 80; degeneration and hypertrophy of heart 70; cardiac and arterial degen. 55, 55; cardiac degeneration, art. scler., cirrhosis of kidney 70; cardiac degen., bronch. 45, 70, 60, 65, 80; cardiac degen., bronch., pleurisy 70; cardiac degen., br.-pneu. 65, 55; cardiac degen., pneu. 55, 60; cardiac degen., pulm. congest. 60; cardiac degen., pulm. œdema 60; dilated and enlarged ht., angina pectoris 60; hypertrophy and dilatation of ht. 55, 75; hypertrophy and dilatation of ht., bronch., br.-pneu. 55; dilated ht. and heart dis., bronch. 15; dilated ht., art. scler., bronch. 60; dilated ht., tachycardia 30, 55, 65; dilated heart, goitre 50; dilated ht., bronchiectasis 40; dilated ht., bronchiolitis 60; dilated ht., cap. bronch. 20, 2, 35; dilated ht., bronch., lobar pneu. 50; dilated ht., bronch., pneu. 50, 65; dilated ht., bronch., pulm. congest. 45; dilated ht., bronch., pulm. congest., asthma, diarrhœa 60; dilated ht., bronch., asthma, 45, 60; dilated ht., bronch., asthma, cirrhosis of liver 40; dilated ht., bronch., emphysema 40, 60, 60, 45, 55; dilated ht., bronch., enteritis 4; dilated ht., bronch., abortion 45; dilated ht., br.-pneu., asthma 30, 15; dilated ht., br.-pneu., chr. nephritis 75; dilated ht., lobar pneu. 25, 30, 30, 30, 50, 15, 30; dilated ht., double pneu., 35, 35, 55, 65, 20, 30; dilated ht., double pneu., albuminuria 40; dilated ht., septic pneu. 30; dilated ht., pneu., pleurisy 35; dilated ht., pneu., asthma 25; dilated ht., pneu., Bright's dis. 40; dilated ht., empyema 25; dilated ht., pleurisy 65; dilated ht., pulm. œdema 60, 30; dilated ht., asthma, dropsy 35; dilated ht., emphysema 60, 60, 70; dilated ht., gastritis 60; dilated ht., gastro-enteritis 40; dilated ht., chr. interstitial nephritis 60; dilated ht., chr. nephritis 75; dilated ht., pregnancy 30, 40; dilated ht., parturition 30; dilated ht., dropsy 65, 80, 65, 75; dilated ht., hyperpyrexia 20; cardiac asthma, bronch. 55; cardiac asthma, double pneu. 60; cardiac and bronchial asthma 55; cardiac atrophy 85; cardiac dropsy 65, 65, 70, 65, 70; cardiac dropsy, bronch. 40, 45, 65; cardiac enlargement, art. scler. 45; cardiac incompetence 30; cardiac insufficiency 65, 70, 75; cardiac insufficiency, bronch. 85; cardiac muscle failure 35; myocardial disease, bronch. 60; dis. of ht. muscle 30, 30, 35, 50, 70; dis. of ht. muscle, status lymphaticus, bronch. 3; dis. of ht. muscle, br.-pneu. 45; cardiac myasthenia, art. scler. 45; heart block, pneu. 70; heart clot 25; ht. clot, confinement 35; ht. displacement, lobar pneu. 25; senile heart 65, 75, 80; fibroid heart 75; hypertrophy of ht. 70; hypertrophy of ht., arterial dis., bronch. 25; hypertrophy of ht., pneu. 30; hypertrophy of ht., emphysema 55; hypertrophy of ht., chr. nephritis 55; catarrhal pyrexia, ht. dis. 20; Spanish influenza, ht. dis. bronch. 45; ht. dis., angina pectoris 35, 50; ht. dis. atheroma 50; ht. dis., cer. embol. 30, 65; ht. dis., cer. embol., coma 20; ht. dis., pulm. embol. 40; ht. dis., embol. 35; ht. dis., laryngitis 30; ht. dis., goitre 55; ht. dis., bronchiectasis 45; ht. dis., cap. bronch. 30; ht. dis., bronch., br.-pneu. 60, 65; ht. dis., bronch., pneu. 25; ht. dis., bronch., asthma 25, 30, 35, 45, 50, 50, 65, 20, 50; ht. dis., bronch., asthma, Bright's dis. 35; ht. dis., bronch., emphysema 55; ht. dis., bronch., hæmoptysis 30; ht. dis., br.-pneu., asthma 45; ht. dis. br.-pneu., hæmop. 75; ht. dis., br.-pneu., gassed 30; ht. dis., double pneu., 35, 40, 10, 25, 25, 30, 35, 45; ht. dis., pleuro-pneu. 50, 50, 55, 70; ht. dis., lobar pneu. 25, 10, 20, 25, 25, 25, 55, 65; ht. dis., lobar pneu., pregnancy 25; ht. dis., septic pneu. 40; ht. dis., pneu., asthma 35; ht. dis., pneu., emphysema 25; ht. dis., pneu., hæmatemesis 45; ht. dis., pneu., miscarriage 25; ht. dis., pneu., childbirth 25, 25; ht. dis., pneu., gassed 20; ht. dis., inflammation of lungs 65; ht. dis., pleurisy 50, 65; ht. dis., pulm. infarct. 45; ht. dis., pulm. congest., asthma 45; ht. dis., pulm. œdema 30, 40; ht. dis., asthma 15, 35, 55, 30, 55, 60; ht. dis., hæmoptysis 25, 40; ht. dis., old dis. of lung 20; ht. dis., gastritis 30, 35; ht. dis., diarrhœa 1, 30, 50; ht. dis., enteric catarrh 10; ht. dis., jaundice 70; ht. dis., hepatitis 45; ht. dis., Bright's dis. 45; ht. dis., renal dis. 60; ht. dis., chr. nephritis 30; ht. dis., nephritis 50; ht. dis., nephritis, uræmia 15; ht. dis., abortion 20, 25, 30; ht. dis., placenta prævia 40; ht. dis., parturition 25, 40; ht. dis., dropsy 40, 55, 55, 55, 60, 70.

(80). Gastric influenza, angina pectoris 50; angina pect., art. scler. 60; angina pect., bronch. 50; angina pect., br.-pneu. 45; angina pect., pneu. 30, 45, 60.

(81). Arterial degeneration 60, 70; art. degen., bronch. 75; arterio-capillary fibrosis 75; art. scler., bronch., asthma 50; art. scler., br.-pneu. 55, 70, 75; art. scler., lobar pneu. 50; art. scler., lobar pneu., renal cirrhosis 60; art. scler., double pneu. 65; art. scler., pneu. 65, 65, 75; art. scler., pleurisy 60, 85; art. scler., pulm. congest. 65; art. scler., pulm. hæm. 60; art. scler., cirrhosis of liver 45; art. scler., chr. nephritis 70; art. scler., uræmia 65, 60; art. scler., coma 75; atheroma 60, 65, 70, 75, 80, 50; atheroma, bronch. 65, 65, 75, 65, 80; atheroma, lobar pneu. 85; endarteritis 45; rupture of aorta, pneu. 50.



LIST SUPPLEMENTARY TO TABLE XXI.—*continued*.

(82). Cerebral embolism, phlebitis 45; cer. embol., bronch. 55; cer. embol., br.-pneu. 30; cer. embol., pneu. 15, 15, 25, 30, 45, 50, 40, 50; cer. embol., pneu., sub-phrenic abs. 20; cer. embol., pleurisy 30; cer. embol., pulm. oedema 45; cer. embol., asthma 60; cer. thrombosis (septic) 50; cer. thromb., bronch. 0; cer. thromb., br.-pneu. 0, 80; cer. thromb., lobar pneu. 50; cer. thromb., double pneu. 40; cer. thromb., pneu. 35; cer. thromb., chr. nephritis 35; pulm. embol., phlebitis 60; pulm. embol., phlebitis, bronch. 65; pulm. embol., phlebitis, br.-pneu. 35; pulm. embol., bronch. 15, 40; pulm. embol., br.-pneu. 50, 20, 60; pulm. embol., lobar pneu. 20; pulm. embol., double pneu., childbirth 25; pulm. embol., pleurisy 55, 30; pulm. embol., tonsillitis 20; pulm. embol., premature confinement 25; pulm. embol., parturition 20; cardiac embolism 20, 30; cardiac embol., pneu. 30; embolism 25, 35, 45, 45, 50, 50; embol., phlebitis 40, 35; embol., bronch. 55; embol., pneu. 25, 35; embol., hyperpyrexia 60; thrombosis of cavernous sinus 1; thromb., tachycardia 30; thromb., br.-pneu. 25; thromb., lobar pneu. 45; thromb. pneu. 15, 60, 15, 35, 35, 50; thromb., pneu., asthma 20; thromb., gastritis 45; thromb., gangrene of leg 75, 30.

(83). Phlebitis 35; septic phlebitis 40; phlebitis, bronch. 80; phlebitis, pneu. 45, 65, 30; phlebitis, hyperpyrexia 30; thrombophlebitis, pulm. infarct. 70; piles, br.-pneu. 40; varicose veins, br.-pneu. 40.

(84). Status lymphaticus 4, 10, 15; status lymph., pneu. 10, 10; lymphatism 1, 30; lymphatism, pneu. 10; pressure of thymus 5; cervical adenitis 45; cervical adenitis, bronch. 50; cervical adenitis, pneu. 30; enlarged lymphatic glands, pulm. congest. 5; enlarged abdominal glands, ascites 20; lymphadenitis, pharyngitis 0; lymphangitis, pneu. 60; lymphangitis, gastritis 50; lymphangitis of arm, hyperpyrexia 50.

(85). Actio cordis perturbata 70; auricular fibrillation 40, 55, 65, 65, 70; auricular fibrill., pulm. congest. 80; auricular flutter 35; bradycardia 70; intermittent cardiac action 40; irregular heart, 60, 70, 80; irregular heart, pneu. 65; irregular heart, inflammation of bowel and hæmorrhage 70; palpitation of ht., pulm. congest. 55; Stokes-Adam's disease, bronch. 70; tachycardia, bronch. 65; tachycardia, lobar pneu. 10; tachycardia, pneu. 20; tachycardia, pulm. congest. 25, 50; ventricular fibrillation, pneu. 75; epistaxis, bronch., hæmorrhage from bowel, enlarged liver 55; epistaxis, br.-pneu., pulm. hæm., intestinal hæm. 15; epistaxis, br.-pneu., hæm. from bowel 30; epistaxis, lobar pneu. 80; epistaxis, pneu. 25, 35, 4, 15, 20, 30, 70; epistaxis, hæmatemesis, menorrhagia 10; epistaxis, diarrhœa 20; epistaxis, congested spleen 25; hyperpiesis 55; multiple hæmorrhage 40; hæm., 4, 30, 55; hæm., colitis 25; hæm., gastro-enteritis 30; internal hæmorrhage 15, 25, 30; internal hæm., duodenal ulcer 50; internal and uterine hæm. 25.

(86). Adenoids, br.-pneu., tonsillitis 2; ozæna 4; rhinitis 1; chr. rhinitis (ozæna), serpiginous pneu., septic pleurisy 15; septic rhinitis, tonsillitis, appendicitis 4.

(87). Laryngismus stridulus 5, 10, 1, 4, 5; laryngismus strid., bronch 10; laryngismus strid., tonsillitis 3, 5; catarrhal laryngitis 2, 5, 4, 4, 5, 25; septic laryngitis 0, 2, 30; laryngitis with spasm 4; laryngitis, cap. bronch. 2, 5; catarrhal laryngitis, bronch. 5; septic laryngitis, bronch. 25; laryngitis, tracheitis 20; laryngitis, bronch., pulm. congest., childbirth 25; laryngitis, bronch., premature childbirth 20; septic laryngitis, br.-pneu., impetigo 1; laryngitis, double pneu. 0; laryngitis, lobar pneu. 10, 45; laryngitis, septic pneu. 30; laryngitis, inflammation of lung 25; laryngitis, pleurisy 55; laryngitis, pulm. congest. 2, 55, 20, 60; laryngitis, tonsillitis 1; laryngitis, pharyngitis 5, 0; laryngitis, gastritis 30; laryngitis, diarrhœa 35; laryngitis, cystitis 70; laryngitis, premature childbirth 25, 30; laryngitis, parturition 20, 25, 30; laryngitis, scalds 1; laryngitis, asphyxia 5, 40; laryngitis, delirium 50; laryngeal obstruction 10, 10, 30; laryngeal obs., pneu. 1, 5; laryngeal stenosis, pneu. 2; oedema of larynx, enlarged thyroid, bronch 5; oedema of larynx, bronch. 0; oedematous laryngitis 15, 25; oedematous laryngitis, br.-pneu. 5; oedema glottidis 3, 5, 35; oedema glottis, br.-pneu. 1; oedema glottidis, pulm. congest 45; oedema glottis, Ludwig's angina 25; oedema glottidis, pharyngitis 1; oedema glottis, asphyxia 5; spasmodic croup 3, 5.

(88). Bronchocele, bronch., pleurisy 65; bronchocele, br.-pneu. 15; enlarged thyroid, br.-pneu. 80; goître 20, 15, 70; goître, bronch. 45, 55; goître, pneu. 25, 40, 55; myxœdema 10, 45, 25, 35, 55, 60, 65, 70; myxœdema, bronch. 55, 75; myxœdema, br.-pneu. 15; adenoma of thyroid 45; thyroiditis 40; thyroiditis, stricture of œsophagus 35.

(90). Bronchiectasis, bronchitis 20, 25, 35, 5, 25, 25, 35; bronchiectasis, br.-pneu. 10, 25, 50; bronchiectasis, lobar pneu. 5, 10, 10; bronchiectasis, double pneu. 15; bronchiectasis, pleuro-pneu., pulm. gangrene 60; bronchiectasis, septic pneu. 65; bronchiectasis, pneu. 5, 15, 25, 10, 15, 25, 35, 65; bronchiectasis, pleurisy 20; bronchiectasis, asthma 30, 50; bronchiectasis, fibroid phthisis 40; bronchiectasis, chr. pulm. fibrosis 25; bronchiectasis, pulm. abs. 20; bronchiectasis, hæmoptysis 15; bronchiectasis, parturition 40; bronchial catarrh, bronch. 20; bronchial catarrh, br.-pneu. 20, 30; bronchial catarrh, pleuro-pneu. 45; bronchial catarrh, pneu. 5, 15, 50; bronchial catarrh, pulm. hæmorrhage 20; bronchial catarrh, stricture of œsophagus 70; bronchiac gastro catarrh 25; bronchial and gastric catarrh 35, 70, 70; bronchial catarrh, teething 0; pulmonary catarrh 15, 30; spreading bronchiolitis 60; bronchiolitis, br.-pneu. 20; bronchiolitis, pneu. 40; bronchiolitis, pleurisy 40; bronchiolitis, pulm. congest. 60; bronchiolitis, nephritis 55; bronchiolitis, hyperpyrexia 25; epidemic catarrh, capillary bronchitis 25, 25, 20; septic cap. bronch. 40, 15, 15, 30, 35; cap. bronch., lobar pneu. 15, 30, 20; cap. bronch., pneu. 5, 40, 50, 50, 30, 50; cap. bronch., pleurisy 65; cap. bronch., pulm. congestion 40, 60; cap. bronch., asthma 35, 55; cap. bronch., emphysema 60, 70; cap. bronch., fibroid lung (miner) 50; cap. bronch., septic sore throat 5; cap. bronch., gastro-enteritis 75; cap. bronch., renal angiomas 45; cap. bronch., abortion 30, 35, 40; cap. bronch., childbirth 30, 30, 30; cap. bronch., dropsy 1; cap. bronch., delirium 30; catarrhal bronchitis 2, 25, 25, 65, 75; muco-purulent bronchitis 75; pur. bronch., br.-pneu. 25, 55; pur. bronch., pleuro-pneu. 45; pur. bronch., double pneu. 35; pur. bronch., pneu. 25; purulent bronch., ac. nephritis 15; pur. bronch., abortion 25; pur. bronch., parturition 30, 40; fœtid bronch., pneu. 15; putrid bronch. 50; plastic bronch. 35; pneumococcal bronch., enteritis 4; septic bronch., br.-pneu. 45; septic bronch., lobar pneu. 30; septic bronch., septic pneu. 55; septic bronch., pneu. 15; septic bronch., asthma 45; septic bronch., pulm. hæmorrhage 20; septic bronch., miscarriage 30; septic bronch., childbirth 30; suffocative bronch. 20, 50, 50, 75, 50; suppurative bronch. 65; epidemic catarrh, bronch. 25, 20; epidemic catarrh, bronch., premature childbirth 20; neuro-centric



LIST SUPPLEMENTARY TO TABLE XXI.—*continued.*

fever, bronch. 50, 50, 60, 30, 45; gastro-enteric influenza, bronch., asthma 20; gastric influenza, bronch. 25; Spanish influenza, bronch., br.-pneu 10; bronch., catarrhal pneu. 20; bronch., lobular pneu. 55, 60; bronch., septic br.-pneu 3; bronch., br.-pneu., pulm. oedema 40; bronch., br.-pneu., emphysema 30, 30, 35, 45, 45, 60, 20, 55, 65; bronch., br.-pneu., fibroid phthisis (non-tub.) 55; bronch., br.-pneu., diarrhoea 2; bronch., br.-pneu., pregnancy 40; bronch., br.-pneu., gassed 20; bronch., lobar pneu., asthma 30; bronch., lobar pneu., emphysema 55, 20, 55, 70; bronch., apical pneu. 60; bronch., basal pneu. 30; bronch., croupous pneu. 50; bronch., double-pneu. 1, 10, 25, 65; bronch., double pneu., asthma 20; bronch., double pneu., abortion 25; bronch., septic pneu. 45, 60, 65, 30, 30; bronch., pneu., empyema, asthma 30; bronch., pneu., pleurisy, emphysema 40; bronch., pneu., abortion 25; bronch., pneu., abortion, eclampsia 30; bronch., pneu., pregnancy 20; bronch., pneu., gassed 35; bronch., empyema 45, 50; bronch., pleural effusion 40; bronch., pleurisy, pulm. congest. 60; bronch., pneumothorax, emphysema 65; bronch., pulm. congest., asthma 50; bronch., pulm. congest., hæmoptysis 30; bronch., pulm. congest., childbirth 35; bronch., hypostatic pneu. 35, 75; bronch., pulm. collapse 15, 0; bronch., asthma, emphysema 30, 35, 25; bronch., asthma, hæmoptysis 45, 55; bronch., asthma, chr. nephritis 45, 40; bronch., asthma, abortion 35; bronch., fibroid lung 55; bronch., stomatitis 3, 5; bronch., parotitis 60; bronch., parotid tumour 70; bronch., tonsillitis 5; bronch., septic sore throat 30, 45, 10, 15; bronch., stricture of œsophagus 75; bronch., gastric ulcer 60; bronch., gastritis 5, 35, 65, 70, 50, 55, 65, 75; bronch., colitis 3; bronch., gastro-enteritis 1, 4, 10, 50, 55, 65; bronch., appendicitis 55; bronch., ventral hernia 55; bronch., prolapse of rectum and vagina 2; bronch., cirrhosis of liver 50, 55; bronch., cholecystitis 75; bronch., hepatitis 10; bronch., jaundice 40, 55, 50, 65; bronch., peritonitis 40, 50; bronch., perito., abdominal abs. 55; bronch., acute nephritis 15, 22, 45, 20, 50, 55; bronch., granular kidney 60; bronch., chr. interstitial nephritis 75; bronch., chr. nephritis 40, 55, 60, 70, 30, 50, 55, 60, 65; bronch., albuminuria 50, 50; bronch., Bright's dis. 45; bronch., Bright's dis., uræmia 55; bronch., anasarca of kidneys 40; bronch., nephritis 20, 45, 50, 65, 85, 15, 40, 45, 50; bronch., uræmia 55, 65; bronch., suppression of urine 40; bronch., tumour of kidney 50; bronch., urinary calculus 60; bronch., renal colic 65; bronch., cystitis 45, 55, 65; bronch., uterine fibroid 25; bronch., climacteric 45; bronch., ovarian cyst. 30; bronch., pregnancy 15, 20, 25, 25, 30, 35, 35; bronch., carbuncle of face 70; bronch., abs. in neck 70; bronch., ulcer of leg 55, 60; bronch., nasal sinusitis 0; bronch., ganglionitis 50; bronch., hydrocephalus 30; bronch., congenital ht. dis. 10, 4, 5, 15, 15, 15; bronch., congenital pulm. stenosis 15; bronch., malnutrition 0; bronch., icterus neonatorum 0; bronch., senile dementia 65, 65, 65; bronch., accelerated by fall 55, 70; bronch., old injury to spine 35; bronch., gassed 25; bronch. dropsy 55, 60, 65, 30, 75, 75; bronch., dentition 0, 1; bronch., hyperpyrexia 4, 15, 15, 30, 30, 45; bronch., coma 5, 30; bronch., delirium 15, 25, 45.

(91). Catarrhal pneu., lobar pneu., 25; catarrhal pneu., gangrene of lung 5; catarrhal pneu., asthma 55; catarrhal pneu., congenital ht. dis. 2; lobular pneu., empyema 25; lobular pneu., pleurisy 15, 35; lobular pneu., asthma 35; lobular pneu., diarrhoea 20; lobular pneu., abortion 20, 20, 20; lobular pneu., childbirth 25; septic br.-pneu., pleurisy 25; septic br.-pneu., pleurisy, ac. nephritis 50; septic br.-pneu., pulm. abs. 20; septic br.-pneu., suppurative peritonitis (pneumococcal) 5; septic br.-pneu., peritonitis 60; septic br.-pneu., abs. of leg 10; catarrhal fever, br.-pneu., 20, 40, 50; catarrhal pyrexia 10, 50, 4, 10; epidemic catarrh, br.-pneu., 1, 2, 2, 3, 5, 25; cerebral influenza, br.-pneu., 0; gastric influenza, br.-pneu. 25; hæmorrhagic influenza, br.-pneu. 15; septic influenza, br.-pneu., 40; Spanish influenza, br.-pneu. 25, 25; Russian influenza, br.-pneu. 35; broncho and lobar pneu., 0, 15, 2, 5, 15, 20, 25, 35, 45; broncho and croupous pneu., 20; broncho and pleuro-pneu. 35; broncho-pneu., pneu., 30; br.-pneu., empyema, pleural effusion 25; br.-pneu., pneumothorax 25; br.-pneu., pleurisy, perito. 65; br.-pneu., pleurisy, abortion 20; br.-pneu., pleurisy, parturition 30; br.-pneu., pulm. oedema 25, 30, 10, 50, 55; br.-pneu., pulm. gangrene 15, 35, 55, 25, 25, 25, 55; br.-pneu., asthma, emphysema 45; br.-pneu., asthma, emphysema, chr. nephritis 60; br.-pneu., emphysema 5, 40, 45, 50; br.-pneu., pulm. fibrosis 65; br.-pneu., silicosis 40; br.-pneu., hæmoptysis 10, 25, 30, 35, 40, 45, 55, 15, 60; br.-pneu., pulm. abs. 2, 25, 60, 15; br.-pneu., pneumoparesis 45; br.-pneu., ulcerative stomatitis 75; br.-pneu., stomatitis 4; br.-pneu., parotid abs. 5, 10; br.-pneu., follicular tonsillitis 20; br.-pneu., tonsillitis 30, 5, 25; br.-pneu., retro-pharyngeal abs. 0; br.-pneu., pharyngitis 15; br.-pneu., gastric ulcer 45, 60, 60; br.-pneu., gastritis 4, 4, 25, 30, 35, 20, 25, 60; br.-pneu., hæmatemesis 50; br.-pneu., gastro-intestinal catarrh 0, 0; br.-pneu., enteritis, 1, 2, 35, 1, 1, 30; br.-pneu., gastro-enteritis 35, 40, 5, 5, 20, 40, 55; br.-pneu., duodenal ulcer, perito. 40; br.-pneu., intestinal worms 2; br.-pneu., appendicitis 20, 20; br.-pneu., appendicitis, operation 50; br.-pneu., intestinal hæm. 3; br.-pneu., cirrhosis of liver 45; br.-pneu., gall stones 35, 65; br.-pneu., cholecystitis 20; br.-pneu., hepatitis 50; br.-pneu., perihepatitis 15; br.-pneu., icterus 50; br.-pneu., catarrhal jaundice 0; br.-pneu., jaundice 60; br.-pneu., ac. inflammation of liver 35; br.-pneu., pneumococcal perito. 25; br.-pneu., perito. 15, 5, 20, 35; br.-pneu., albuminuria 30, 30, 60; br.-pneu., Bright's dis. 5, 40, 55, 55; br.-pneu., chr. kidney dis. 50; br.-pneu., chr. interstitial nephritis 50; br.-pneu. chr. nephritis 50, 55, 60, 60, 45; br.-pneu., chr. nephritis, enlarged prostate 60; br.-pneu., uræmia 0, 2; br.-pneu., uræmic convulsions 10; br.-pneu., suppression of urine 45; br.-pneu., cystitis 45; br.-pneu., uterine hæm. 35; br.-pneu., fibroid uterus 50; br.-pneu., abs. of breast 25; br.-pneu., puerperal mania 30; br.-pneu., cancerum oris 5, 4, 5, 5, 5, 10, 25; br.-pneu., furuncle 20; br.-pneu., glandular abs. 1; br.-pneu., bedsores 50; br.-pneu., eczema 0; br.-pneu., sclerodermia 35; br.-pneu., abs. of knee 20; br.-pneu., arthritis 80; br.-pneu., lumbago 60; br.-pneu., idiopathic muscular atrophy 10; br.-pneu., myositis 50; br.-pneu., hydrocephalus 15; br.-pneu., circumcision 0; br.-pneu., congenital ht. dis. 3, 10, 15, 5; br.-pneu., senile dementia 65; br.-pneu., accelerated by burns from live electric wires 25; br.-pneu., accelerated by injuries in coal mines 60, 65; br.-pneu., gassed 25, 25, 45; br.-pneu., gunshot wound, 20; br.-pneu., dentition 0, 0, 1, 1, 0, 0; br.-pneu., asphyxia 2, 20, 0, 4, 25, 35, 50; br.-pneu., coma 35, 40, 50; br.-pneu., cyanosis 60; br.-pneu., delirium 70, 70.

(92). Apical pneu., pulm. oedema 45; apical pneu., ac. nephritis 30; apical pneu., congenital ht. dis. 15; basal pneu., asthma 65; basal pneu., chr. tubal nephritis 25; basal pneu., pregnancy 20; basal lobar pneu. 40; central pneu. 45, 55; creeping pneu. 50; migratory pneu. 35; gastric influenza, cerebral pneu. 30; epidemic catarrh, croupous pneu., childbirth 25; croupous pneu., pulm. congestion 35; croupous pneu., pulm. oedema 30; croupous pneu., gastro-enteritis 55; croupous pneu., perito. 20; croupous pneu., pregnancy 30; croupous pneu., childbirth 25, 30; epidemic pneu. 10, 20;



LIST SUPPLEMENTARY TO TABLE XXI.—*continued.*

infective pneu. 40, 40; pneumococcic poisoning 4; pleuro-pneu. (septic) 30, 40, 10, 25; pleuro-pneu., empyema 25, 35; pleuro-pneu., empyema, asthma 65; pleuro-pneu., hæmoptysis 45; pleuro-pneu., pulm. abs. 25; pleuro-pneu., jaundice 15, 30; pleuro-pneu., ac. nephritis 45; pleuro-pneu., chr. nephritis 40; pleuro-pneu., abortion 20, 25, 25, 25, 30, 30, 35, 35; pleuro-pneu., childbirth 25, 25, 25, 30, 30, 35, 35, 35; pleuro-pneu., hyperpyrexia 20; pleuro-pneu., coma 45; pneumonitis 10; pneumopleuritis 40; Spanish influenza, double pneu. 25, 30; septic influenza, double pneu. 25; double pneu., empyema 25, 50, 10, 10, 15; double pneu., pulm. congest 35; double pneu., pulm. gangrene 10, 25; double pneu., asthma 70; double pneu., gastric ulcer, acute Bright's dis. 30; double pneu., gastritis 35, 40; double pneu., intestinal catarrh 30; double pneu., diarrœa 25; double pneu., enteritis 40; double pneu., appendicitis 20; double pneu., jaundice 15; double pneu., perito. 10; double pneu., acute nephritis 20, 45, 25; double pneu., albuminuria 35; double pneu., nephritis 30, 35, 45; double pneu., puerperal eclampsia 25; double pneu., congenital ht. dis. 30; double pneu., patent foramen ovale 3; double pneu. accelerated by a fall 75; double pneu., gassed 20; double pneu., hyperpyrexia 45, 5, 30, 45; double pneu., asphyxia 15, 20; double pneu., delirium 15, 40; bilateral influenza, lobar pneu., abs. of lung 25; catarrhal fever, lobar pneu. 20, 2; septic lobar pneu. 15, 5, 20, 30, 30, 40, 40, 50; lobar pneu., inflammation of lungs 30; lobar pneu., empyema 15, 45, 10, 10, 10, 25; lobar pneu., pleurisy, pulm. abs. 20; lobar pneu., pleurisy, abortion 25, 30; lobar pneu., pyopneumothorax 25; lobar pneu., pulm. congestion 30; lobar pneu., pulm. œdema 60, 25, 25, 40; lobar pneu., pulm. gangrene 5; lobar pneu., asthma 35, 50, 20; lobar pneu., emphysema 1; lobar pneu., chr. fibroid phthisis 65; lobar pneu., miners' phthisis 40; lobar pneu., hæmoptysis 25, 45, 20, 45; lobar pneu., pulm. abs. 25, 30, 75; lobar pneu., diarrhœa 2, 55, 25, 30; lobar pneu., enteritis and colitis 30; lobar pneu., appendicitis 15; lobar pneu., jaundice 25, 35; lobar pneu., ac. nephritis 45; lobar pneu., ac. nephritis, miscarriage 15, 20; lobar pneu., chr. nephritis 15, 25, 30; lobar pneu., nephritis 20; lobar pneu., nephritis, cystitis 30; lobar pneu., pyelonephritis 20; lobar pneu., multiple abs. 30; lobar pneu., bedsores 20; lobar pneu., osteo-myelitis 15; lobar pneu., polyarthritis 15; lobar pneu., congenital ht. dis. 15, 15; lobar pneu., hyperpyrexia 20, 10, 25, 30; lobar pneu., asphyxia 1, 3, 30, 2, 4, 20, 25, 25, 25; lobar pneu., coma 45; lobar pneu., delirium 25, 50; hæmolytic pneu. 10, 15, 15; consolidation of lungs 40, 80; cerebral influenza, septic pneu., 30; epidemic catarrh, septic pneu. 30, 35, 15, 30, 45; septic pneu., empyema 1, 15, 30; septic pneu., pleurisy 15, 20; septic pneu., pulm. congestion 40; septic pneu., asthma 25, 40, 70; septic pneu., pulm. abs. 15; septic pneu., pulm. hæm. 30; septic pneu., pyorrhœa alveolaris 40; septic pneu., tonsillitis 10; septic pneu., pharyngitis 2; septic pneu., gastritis 20, 35; septic pneu., gastritis, gassed 30; septic pneu., acute nephritis 20; septic pneu., hyperemesis gravidarum 30; septic pneu., pregnancy 35; septic pneu., abs. of neck 3; septic pneu., hyperpyrexia 45; septic pneu., asphyxia 25, 30, 50, 4, 15, 25, 25; septic pneu., coma 60, 30; septic inflammation of lungs 15; streptococcal pneu. 5, 55, 60, 10; streptococcal pneu., septic mouth 15; influenza gravis, fulminant pneu. 15; epidemic catarrh, pneu. 15, 20, 70; la grippe, pneu. 45; Spanish influenza, pneu. 25; malarial influenza, pneu. 15; gastric influenza, pneu. 30, 30, 40, 45, 3, 5, 25; gastro-intestinal influenza, pneu., cellulitis 70; pneu., empyema, pleurisy 5; pneu., empyema, pulm. gangrene 5; pneu., empyema, hæmoptysis 60; pneu., empyema, duodenal ulcer 30; pneu., empyema, ac. nephritis 5; pneu., empyema, abortion 30; pneu., pleural effusion 10, 15, 15, 55, 20, 25, 30; pneu., diaphragmatic pleurisy 30; pneu., pleuritis 50; pneu., pneumothorax 10, 25, 25; pneu., pleurisy, asthma 35, 40; pneu., pleurisy, emphysema 20; pneu., pleurisy, inflammation of liver 30; pneu., pleurisy, abortion 20, 30; pneu., pleurisy, childbirth 25, 30, 30; pneu., pleurisy, hyperpyrexia 5; pneu., pulm. apoplexy 30; pneu., pulm. infarct. 25, 30; pneu., pulm. œdema, croupous colitis 45; pneu., pulm. gangrene 25, 30, 35, 50, 55, 60, 15, 75; pneu., emphysema 30, 45, 45, 50, 3, 25, 25, 50; pneu., emphysema, gassed 30; pneu., miners' phthisis 30, 35; pneu., silicosis of lung, 30; pneu., pneumoconiosis 45; pneu., hæmorrhage of lung and intestine 60; pneu., hæmoptysis, pregnancy 30; pneu., hæmoptysis, asphyxia 65; pneu., alveolar abs. 5; pneu., stomatitis 5, 30, 1, 5; pneu., parotitis 50; pneu., parotitis, jaundice 55; pneu., tonsillitis 10, 15, 15, 5, 15, 25, 25; pneu., septic throat 30; pneu., septic ulceration of tonsil 35; pneu., septic naso-pharyngitis 30; pneu., paralysis of soft palate 60; pneu., œsophageal stricture 60; pneu., gastric ulcer 35, 55, 40, 45, 45; pneu., gastric catarrh 30, 15; pneu., gastric hæm. 25; pneu., persistent vomiting 25; pneu., dilatation of stomach 5; pneu., gastro-intestinal catarrh 5; pneu., diarrhœa, abortion 20; pneu., colitis 20, 35, 50; pneu., inflammation of bowel 1; pneu., gastro-enteritis, abortion 30; pneu., gastric colic 30; pneu., ascariasis 1; pneu., appendicitis, perito. 5, 15; pneu., appendicitis, abortion 30; pneu., ruptured intestine 35; pneu., intestinal obstruction 15, 50, 60, 60; pneu., intestinal hæm. 40, 20, 25; pneu., rectal abs. 40; pneu., cystic dis. of liver 10; pneu., cirrhosis of liver 40; pneu., cholecystitis 30, 30, 45; pneu., hepatitis 60, 25; pneu., jaundice, gunshot wound 30; pneu., hypertrophy of spleen 25; pneu., pneumococcal perito. 35; pneu., perito., asphyxia 4; pneu., abdominal abs. 20; pneu., albuminuria 25, 35, 35, 50, 55, 5, 60; pneu., Bright's dis., pregnancy 25; pneu., chr. nephritis, suppression of urine 30; pneu., nephritis, pregnancy 25; pneu., granular kidney 50; pneu., uræmia 35, 20, 25; pneu., tumour of testicle 60; pneu., menorrhagia 45; pneu., metrorrhagia 25; pneu., myoma uteri 25; pneu., uterine fibroid 35; pneu., mammary abs. 25, 40; pneu., abortion, puer. nephritis 30; pneu., abortion, puer. convulsions 20; pneu., abortion, puer. pulm. embol. 30; pneu., miscarriage, hyperpyrexia 20; pneu., vomiting of pregnancy 20; pneu., persistent vomiting, childbirth, 35; pneu., placenta prævia 25; pneu., puer. nephritis 25, 25; pneu., puer. convulsions 20, 20, 30, 30; pneu., puer., pulm. embol. 20; pneu., puer. mania 35; pneu., senile gangrene 60, 75, 70; pneu., cancerum oris 4, 5; pneu., gangrene of chest wall 0; pneu., gangrene of foot 40, 10, 55; pneu., carbuncle 60; pneu., furunculosis 30, 25; pneu., cellulitis of neck 20; pneu., abs. of neck 30, 30; pneu., abs. of leg 45; pneu., ulcer of leg 55; pneu., frontal sinusitis 20; pneu., periostitis 50; pneu., abs. of shoulder 1; pneu., arthritis 35; pneu., hydrocephalus 2, 4, 10, 15; pneu., cleft palate 10; pneu., congenital deformity 30; pneu., accelerated by fall 10, 25, 45, 60, 65; pneu., accelerated by fall of roof in coal mine 30, 35, 50; pneu., accelerated by accident in engineering works 55; pneu., accelerated by fractured femur 15; pneu., shell shock 20, 25; pneu., gunshot wounds 20, 20, 20, 25, 30, 30, 30; pneu., gassed 15, 20, 30, 35; pneu., dropsy 45, 45, 45, 60, 60; pneu., dentition 0, 0, 1, 1, 2; pneu., hyperpyrexia, coma 20; pneu., cyanosis 35.

(93). Empyema recurrent 15; empyema, pleurisy 30, 40, 40, 60, 30; empyema, pleuritic effusion 75; empyema, pyopneumothorax 45; empyema, pulm. gangrene, abs. of lung, hæmoptysis 20;



LIST SUPPLEMENTARY TO TABLE XXI.—*continued.*

empyema, abs. of lung, gastric dilatation, appendicitis 30; empyema, abortion 40; empyema, operation 15, 55; empyema, apncea 15; pyothorax 15; pneumothorax 5, 45; pleuropericarditis 5, 20; diaphragmatic pleurisy 20, 30; Spanish influenza, pleurisy, asthma 30; pleurisy, pulm. congestion 35, 40, 45, 60, 20, 60, 70, 75; pleurisy, pulm. oedema 50; pleurisy, pulm. collapse 60; pleurisy, asthma 35; pleurisy, hæmoptysis 25, 45; pleurisy, emphysema 50, 20, 35; pleurisy, pulm. abs. 25; pleurisy, tumour of lung 50; pleurisy, gastritis 30; pleurisy, gastric hæmorrhage 20; pleurisy, melæna 25; pleurisy, ac. nephritis 15, 30, 45, 35; pleurisy, nephritis 20; pleurisy, abortion 20, 25, 25, 25, 25, 35; pleurisy, childbirth 20, 25, 25, 35, 35; pleurisy, arthritis 45; pleuritis, infective icterus 35; pleuritis, ac. nephritis 45; pleuritis, childbirth 40; plural effusion, nephritis 15; sero-fibrinous pleurisy 60.

(94). Pulm. apoplexy 45, 55, 30, 35; pulm. infarct 15; septic influenza, pulm. congestion, ulcer of foot 50; neuro-centric fever, pulm. congestion 65; abdominal influenza, pulm. congestion, diarrhœa 65; pulm. congestion and oedema 55, 40; pulm. congestion, pulm. gangrene 55; pulm. congest., asthma 5, 15, 60, 15, 50; pulm. congest., asthma, emphysema 45, 30; pulm. congest., emphysema 55; pulm. congestion, hæmoptysis 15, 25, 20; pulm. congestion, gastritis 20; pulm. congestion, enteritis 25; pulm. congestion, Richter's hernia 70; congestion of lungs, liver, and kidneys 40; pulm. congestion, ac. nephritis, 5, 30; pulm. congestion, chr. nephritis 35, 60, 70, 40; pulm. congestion, nephritis 10, 30, 50; pulm. congestion, abortion 25, 30, 30; pulm. congestion, pregnancy 25, 25; pulm. congestion, abs. of neck, 2; inflammatory pulm. congestion accelerated by accidental kick by pit pony in coal mine 20; pulm. congestion, gassed 25; pulm. congestion, dropsy 20; pulm. congestion, hyperpyrexia 20; pulm. congestion, asphyxia 40, 65; pulm. congestion, coma 15; pulm. congestion, delirium 35; hypostatic congestion of lungs 20, 65; hypostatic congestion of lungs, diarrhœa 75; hyperæmia of lungs 30, 45, 30; epidemic catarrh, pulm. oedema 25; pulm. oedema, asthma, emphysema, granular nephritis 65; pulm. oedema, hæmoptysis, 4, 60; pulm. oedema, septic diarrhœa 40; pulm. oedema, ac. nephritis 10; pulm. oedema, chr. nephritis, 25, 45; pulm. oedema, nephritis 60; pulm. oedema, pregnancy 30; pulm. oedema, childbirth 25; pulm. oedema, puer. pulm. embol. 20; pulm. oedema, osteitis deformans 45; hypostatic pneu., asthma 40; hypostatic pneu., suppression of urine 45; hypostatic pneu., hyperpyrexia 5; collapse of lung 0, 70.

(95). Epidemic catarrh, gangrene of lung 50; gangrene of lung, abs. in knee 45.

(96). Catarrhal pyrexia, asthma 65; Spanish influenza, asthma 50; asthma, emphysema 30, 40, 65, 50, 70, 85; asthma, pulm. hæm. 50; asthma, tonsillitis 45; asthma, hæmatemesis 25; asthma, colic, enteroptosis 35; asthma, duodenal ulcer 75; asthma, melæna 55; asthma, Bright's disease 35; asthma, chr. nephritis 50; asthma, uræmia 55; asthma, abortion 20, 25, 30; asthma, childbirth 25; asthma, delirium 40; spasmodic asthma 5, 40, 60, 20, 40, 45, 45; asthmatic bronchitis 60.

(97). Emphysema, gastric hæmorrhage 25.

(98). Anthracosis 25, 45; fibroid phthisis 40, 30, 75; fibroid phth., hæmoptysis 45; pulm. fibrosis 25, 65, 25, 55; interstitial pneumonia 35; silicosis 35, 50, 55; stonemasons' phthisis 40, 60; hay asthma 35; hæmoptysis, miscarriage 25; hæmoptysis, hyperpyrexia 25; lung disease 50; secondary infection of lungs 40.

(99). Stomatitis 60, 3, 3, 4, 5; stomatitis, enteritis 55; ulcerative stomatitis 3, 5; ulcerative stomatitis and alveolar abs. 5; ulcer. stomatitis, teething 0; pyorrhœa alveolaris 25; aphthæ 1; parotitis 70; suppuration of parotid gland 40.

(100). Follicular tonsillitis 5, 40; septic tonsillitis 3, 5, 15, 35; quinsy 5, 15, 25; quinsy, ac. nephritis 70; quinsy, miscarriage 35; septic sore throat 5, 5, 5, 20, 2, 5, 15, 35, 45; septic sore throat, gastro-enteritis 60; angina Ludovici 3; Vincent's angina 70; pharyngeal paralysis 15; retro-pharyngeal abs. 15, 75; septic pharyngitis 4, 15.

(101). Obstruction of œsophagus 45; stricture of œsophagus 65.

(102). Gastric influenza, gastric ulcer, perforation, perito. 50; gastric ulcer, perforation 50; gastric ulcer, gastritis 35; gastric ulcer, hæmatemesis 20, 40, 45.

(103). Spanish influenza, gastritis 10; gastritis, severe vomiting 10, 65; gastritis, ileo-colitis 4; gastritis, enteritis 25; gastritis, diarrhœa 0, 15; gastritis, acute hepatitis 70; gastritis, perito. 40; gastritis, albuminuria 55; gastritis, premature confinement 25; gastritis, cardiac paralysis 10; gastritis, coma 5; acute flatulence, gastric spasms, inflammation of knee and leg 45; gastric dilatation 30; chr. dyspepsia 70, 55; coeliac dis. 5, 50; pyloric obstruction 50; gastric influenza, vomiting 15; gastrical influenza, vomiting 30; persistent vomiting, diarrhœa 60, 10; gastric influenza, hæmatemesis, collapse 45; hæmatemesis, melæna, congested liver 80; hæmatemesis, jaundice 5; hæmatemesis, premature labour 25.

(104). Infective enteritis 0, 1, 35, 1, 15, 25, 30, 40, 50; septic enteritis 5, 5; toxic enteritis 10; zymotic enteritis 1; epidemic diarrhœa 15; septic diarrhœa 80; gastro-enteric catarrh 1; gastro-intestinal catarrh 3, 65, 0, 5, 5, 45, 70, 75, 80; gastro-intestinal catarrh, diarrhœa 0; enteric catarrh, diarrhœa 10; gastric irritation 2; abdominal influenza, diarrhœa 0; gastric influenza, diarrhœa 2, 15, 40, 50; diarrhœa and colitis 70; diarrhœa and enteritis 60; diarrhœa, jaundice 50; diarrhœa, acute nephritis 3; diarrhœa, childbirth 30; diarrhœa, coma 70; muco-enteritis 70; enteritis, uræmia 45; enteritis, cancrum oris 5; enteritis, coma 10; mucous colitis 35; entero-colitis 35, 35; ileo-colitis 0, 1, 5; colitis 35, 45, 55, 55, 65, 40; colitis, chr. nephritis 35; catarrhal gastro-enteritis 55, 15; gastro-enteritis, perito. 65; gastro-enteritis, renal suppression 70; gastro-enteritis, teething 0; gastro-enteritis, coma 30; dyspepsia 0; perforating ulcer of colon 20; ulcerative colitis 20, 20; duodenal ulcer 60.

(108). Pneumococcal appendicitis 35; appendicitis, fæcal fistula 10; appendicitis, peritonitis 10, 10, 10, 15, 15, 20, 5, 10, 20; appendicitis, operation 30.

(109). Intestinal obstruction 50, 55, 55, 60, 70.

(110). Gastric influenza, intestinal hæmorrhage 10; intestinal hæm. 10, 15, 20, 20, 30, 50, 65; anal abs., perito. 20; ischio-rectal abs. 55, 75; rectal abs. 25; prolapsus recti 0; melæna 5; melæna, chr. nephritis 45.

LIST SUPPLEMENTARY TO TABLE XXI.—*continued.*

- (111). Acute yellow atrophy of liver 20; icterus gravis 15.
- (113). Cirrhosis of liver, jaundice 60; cirr. of liver, icterus 65; hypertrophic hepatic cirrhosis (alcoholic), acute hepatitis 50.
- (114). Cholelithiasis 35; gall-stones 75.
- (115). Hepatic abs. 50, 50; hepatic congestion 70, 25, 55; hepatic congestion, jaundice, suppression of urine, congested kidneys 55; hepatitis, Bright's dis. 50; perihepatitis 85; perihepatitis, ascites 15; hepar magna 30; icterus 3, 10; catarrhal jaundice 4, 30; catarrhal jaundice, perito. 5; obstructive jaundice 60; septic jaundice 10; toxic jaundice 20, 70; catarrhal cholangitis 65; cholecystitis 30, 30, 50, 55, 15, 45, 55, 55, 65; fistula of gall-bladder 35; icterus catarrh of gall-bladder 15.
- (116). Infarct of spleen 55; enlargement of spleen 60; splenitis 45, 20; splenic tumour 40.
- (117). Gastric influenza, perito. 50, 10; purulent peritonitis 50; septic perito. 3; perito., metritis 45; perito., infective salpingitis 35; perito., operation 15; polyorrhomenitis 35.
- (118). Abdominal abs. 45, 60; sub-diaphragmatic abs. 4; pancreatitis 30, 45, 70; hæmorrhagic inflammation of pancreas 15.
- (119). Acute parenchymatous nephritis, suppression of urine 45; acute tubal nephritis 50; sub-acute nephritis 15, 60; ac. inflammation of kidneys 30; ac. nephritis, uræmic convulsions 15; ac. nephritis, suppression of urine, coma 10; ac. nephritis, cystitis 55.
- (120). Gastric influenza, Bright's dis. 45; Bright's dis., uræmic coma 20; Bright's dis., uræmia 65; albuminuria 30, 35, 45, 10, 25, 55; chr. parenchymatous nephritis 60, 70; chr. parenchymatous nephritis, uræmia 20, 20; interstitial nephritis, uræmia 65; chr. nephritis, uræmia 20, 60, 60, 25, 35, 50; chr. nephritis, uræmic coma 50; chr. nephritis, hæmaturia 35; chr. nephritis, abortion 45; granular kidney 55, 60, 70, 70, 75, 50, 65; granular kidney, renal asthma 65; kidney dis., 45, 15; kidney dis., uræmia 25; renal dis. 65, 45, 65; nephritis, uræmia 25, 15, 35, 45, 50; nephritis, ulceration of legs 55; nephritis, dropsy 50; uræmia, suppression of urine 20; uræmia, pyelonephritis 50; uræmia, pyelonephritis, cystitis 50; uræmia, cystitis 50; uræmic coma, hyperpyrexia 35; uræmic convulsions 20.
- (122). Suppression of urine 55; ascending pyelitis, cystitis 70; pyelitis 60, 65, 5, 50; pyelitis, renal calculus 35; pyelitis, childbirth 40; pyelonephritis 30; hæmaturia 15, 45; fissure of kidney 65; tumour of kidney 55.
- (123). Urinary calculus 45; nephritic renal calculus 60.
- (124). Cystitis and retention 65; cystitis, urethral stricture 50; cystitis, prostatic hypertrophy 70; cystitis, enlarged prostate 70; cystitis, prostatitis 75; papilloma of bladder 70; villous tumour of bladder 65, 75; paralysis of bladder 40; retention of urine 60; retention, hypertrophy of prostate 70; retention, enlarged prostate 75.
- (126). Enlarged prostate 70.
- (127). Orchitis 35.
- (128). Metrorrhagia 40.
- (129). Fibroid tumour of uterus 45, 45, 45.
- (130). Gastric influenza, menopause 40; pelvic abs. 25; pelvic cellulitis 20; congestion of uterus 35.
- (131). Cystic ovarian tumour 35.
- (134). Gastric influenza, premature childbirth 35; pulmonary influenza, premature delivery 25; septic influenza, miscarriage 30; abortion, hæmorrhage 15, 15, 25, 35, 35, 35, 40; abortion, post-partum hæm. 30, 30; abortion, puer. uræmia 30, 35; abortion, puer. eclampsia 20, 30, 35; abortion, puer. pulm. embol. 20, 20, 30; ruptured extra-uterine pregnancy 35; pregnancy, placenta prævia 25, 30, 30; pregnancy, nephritis 20, 30; pregnancy, nephritis, convulsions 20; pregnancy, hyperpyrexia 30.
- (135). Placenta prævia 30, 40; ante-partum hæm. 25, 30; hæmorrhage of parturition 30, 40.
- (136). Catarrhal pyrexia, parturition 35; childbirth, abscess 20, 35; childbirth, hyperpyrexia 25.
- (138). Puer. nephritis 30, 30; puer. convulsions 20, 20, 30, 40.
- (139). Puer. pulm. embolism 30, 35, 35; puer. thrombosis 35.
- (140). Puerperal insanity 30; puer. mania 25, 25.
- (142). Senile gangrene 70, 75, 80, 60, 70; gangrenous stomatitis 4; gangrene of hand 55; gangrene of leg 45, 55; gangrene of foot 40; Raynaud's dis. 50.
- (143). Carbuncle 35, 35, 45, 50, 50, 60, 60, 65, 45.
- (144). Cellulitis 4, 55, 60, 60, 10, 30, 40, 45, 55; cervical abs. 0, 3, 60; gluteal abs. 15; abscess 20, 25, 60, 75; whitlow 35.
- (145). Bedsores 75; ulcerated leg 50, 60, 50, 55, 60, 65, 70; ulcer 65; eczema 0, 0, 1, 75; dermatitis of leg 70; psoriasis 65; herpes zona 70; herpes zoster 1, 80.
- (146). Empyema of frontal sinus 25; infective osteomyelitis 30; osteomyelitis 5, 10, 15; periostitis 35.
- (147). Arthritis 45, 55, 55; multiple arthritis 10; synovitis (septic) 60.
- (148). Amputation of leg 30.
- (149). Lumbago 50; muscular rheumatism 30; myalgia 20, 55; myositis 30.
- (150). Hydrocephalus 0, 2, 5, 15, 3; incomplete closure of foramen ovale 0; patent foramen ovale 5, 15; patent ductus arteriosus 10; cleft palate 1; congenital malformation 20.
- (151). Premature birth 0, 0, 0, 0, 0; absence of breast milk 0.



LIST SUPPLEMENTARY TO TABLE XXI.—*continued.*

(167). Accelerated by burns 50, 20; by scalds 3, 5.

(172). Cerebral influenza accelerated by a fall 10; accelerated by falling downstairs 50, 65.

(173). Accelerated by an accident in a coal mine 40, 45.

(186). Accelerated by an injury to head 10; gassed 25, 30; shell shock 20, 30.

(187). Dropsy 55, 60, 70, 45, 60, 65.

(189). Dentition, hyperpyrexia 1; hyperpyrexia and coma 50, 10, 20; hyperpyrexia, delirium 15; malignant influenza, coma 25; gastric influenza, coma, delirium 15, 15, 30, 20; anorexia 65, 70; cærulea cyanotica 30; gastric influenza, laparotomy 15.

TABLE XXII.—DEATHS OF NON-CIVILIANS CLASSED TO INFLUENZA, 23RD JUNE, 1918, TO 10TH MAY, 1919.—ASSOCIATED CAUSES OF DEATH.

TABLE A. See pages 30 and 31.

| —                              | All Ages. | Under 1 year. | 1— | 5— | 10— | 15— | 20—   | 25—   | 30— | 35— | 40— | 45— | 55— | 65— | 75— |
|--------------------------------|-----------|---------------|----|----|-----|-----|-------|-------|-----|-----|-----|-----|-----|-----|-----|
| Influenza (Unqualified) ...    | 417       | —             | —  | —  | 1   | 35  | 93    | 123   | 81  | 41  | 30  | 13  | —   | —   | —   |
| Septicæmia ...                 | 20        | —             | —  | —  | —   | 2   | 3     | 10    | 2   | 2   | 1   | —   | —   | —   | —   |
| Toxæmia ...                    | 91        | —             | —  | —  | —   | 12  | 19    | 26    | 19  | 8   | 5   | 1   | 1   | —   | —   |
| Toxæmia, broncho-pneumonia     | 91        | —             | —  | —  | —   | 18  | 19    | 26    | 13  | 9   | 5   | 1   | —   | —   | —   |
| Toxæmia, pneumonia ...         | 31        | —             | —  | —  | —   | 6   | 3     | 9     | 10  | 2   | —   | 1   | —   | —   | —   |
| Meningitis ...                 | 37        | —             | —  | —  | —   | 8   | 8     | 6     | 8   | 4   | 2   | —   | 1   | —   | —   |
| Meningitis, pneumonia ...      | 16        | —             | —  | —  | —   | 3   | 4     | 5     | 4   | —   | —   | —   | —   | —   | —   |
| Capillary bronchitis ...       | 28        | —             | —  | —  | —   | 2   | 5     | 11    | 6   | 4   | —   | —   | —   | —   | —   |
| Purulent bronchitis ...        | 29        | —             | —  | —  | —   | 3   | 6     | 8     | 5   | 2   | 3   | 2   | —   | —   | —   |
| Septic bronchitis ...          | 40        | —             | —  | —  | —   | 6   | 4     | 9     | 9   | 7   | 4   | 1   | —   | —   | —   |
| Bronchitis ...                 | 103       | —             | —  | —  | —   | 6   | 16    | 24    | 19  | 12  | 13  | 10  | 3   | —   | —   |
| Bronchitis, pneumonia ...      | 13        | —             | —  | —  | —   | 2   | 2     | 5     | 2   | 2   | —   | —   | —   | —   | —   |
| Lobular pneumonia ...          | 11        | —             | —  | —  | —   | 1   | 5     | 3     | 2   | —   | —   | —   | —   | —   | —   |
| Septic broncho-pneumonia ...   | 23        | —             | —  | —  | —   | 1   | 7     | 7     | 4   | 1   | 1   | 1   | —   | —   | —   |
| Broncho-pneumonia ...          | 3,156     | —             | —  | —  | 1   | 297 | 826   | 906   | 616 | 287 | 143 | 72  | 7   | 1   | —   |
| Broncho-pneumonia, empyema     | 19        | —             | —  | —  | —   | 4   | 6     | 5     | 3   | 1   | —   | —   | —   | —   | —   |
| Pleuro-pneumonia ...           | 18        | —             | —  | —  | —   | 3   | 4     | 5     | 3   | 3   | —   | —   | —   | —   | —   |
| Lobar pneumonia ...            | 666       | —             | —  | —  | —   | 59  | 191   | 202   | 112 | 63  | 28  | 11  | —   | —   | —   |
| Double pneumonia ...           | 227       | —             | —  | —  | —   | 27  | 66    | 62    | 40  | 20  | 9   | 3   | —   | —   | —   |
| Streptococcal pneumonia ...    | 28        | —             | —  | —  | —   | —   | 5     | 15    | 5   | 2   | 1   | —   | —   | —   | —   |
| Septic pneumonia ...           | 196       | —             | —  | —  | —   | 22  | 42    | 47    | 41  | 28  | 12  | 4   | —   | —   | —   |
| Pneumonia ...                  | 4,458     | —             | —  | —  | 1   | 403 | 1,073 | 1,313 | 973 | 393 | 193 | 94  | 13  | 1   | 1   |
| Pneumonia, empyema ...         | 37        | —             | —  | —  | —   | 14  | 6     | 9     | 5   | 2   | —   | 1   | —   | —   | —   |
| Pneumonia, pleurisy ...        | 16        | —             | —  | —  | —   | 3   | 1     | 5     | 4   | 2   | 1   | —   | —   | —   | —   |
| Pneumonia, acute nephritis ... | 10        | —             | —  | —  | —   | 2   | 1     | 2     | 2   | 2   | 1   | —   | —   | —   | —   |
| Pneumonia, asphyxia ...        | 13        | —             | —  | —  | —   | 2   | 2     | 6     | 3   | —   | —   | —   | —   | —   | —   |
| Empyema ...                    | 31        | —             | —  | —  | —   | 12  | 11    | 5     | 1   | 1   | 1   | —   | —   | —   | —   |
| Pleurisy ...                   | 12        | —             | —  | —  | —   | 2   | 4     | 3     | 1   | —   | 2   | —   | —   | —   | —   |
| Pulmonary congestion ...       | 22        | —             | —  | —  | —   | 3   | 6     | 4     | 4   | 2   | 3   | —   | —   | —   | —   |
| Acute nephritis ...            | 12        | —             | —  | —  | —   | 1   | 3     | 2     | 5   | —   | —   | 1   | —   | —   | —   |

## LIST SUPPLEMENTARY TO TABLE XXII.

(See page 30).

Influenza—cerebral 20. *Complications:*—18. Erysipelas, œdematous laryngitis, br.-pneumonia 45. 19. Parotitis, pneumonia 15; mumps, lobar pneu., orchitis 25. 20. Pyæmia, cerebral abs., abs. of lung 20; pyæmia, pneumonia 25; pyæmia, empyema 15; sapræmia 35; streptococcal infection 20, 35; streptococcal infection br.-pneu., empyema 15, 20, 25; streptococcal infection, pneumonia, empyema 15, 15, 20; septicæmia-staphylococcic 35; septicæmia-streptococcic 35; sept., morbus coxæ, bronchiolitis, bronchitis 25; sept., meningitis 15; sept., disseminated sclerosis, cystitis, bedsores 20; sept., ulcerative endocarditis 35; sept., septic bronchitis 25, 25; sept., br.-pneu. 20; sept., br.-pneu., 4 @ 20, 3 @ 25, 30, 35; sept., br.-pneu., empyema 15; sept., br.-pneu., pharyngeal sepsis 30; sept., pneu. 20, 30, 45; sept., pneu., pulm. hæmorrhage 35; sept., empyema 25; septic hand, pneu. 25. 28. Tuberculosis of lungs 30; phthisis, br.-pneu. 20. 29. Acute phthisis 25; acute phthisis, br.-pneu. 20. 30. Tuberculous meningitis 15; tub. men., pneu. 15. 47. Rheumatic myocarditis, br.-pneu. 40. 48. Chronic rheumatism, lobar pneu. 30. 50. Diabetes 15, 30, 35; diabetes, br.-pneu. 35. 51. Exophthalmic goitre, bronchitis 25; Grave's disease 25. 54. Kala azar, br.-pneu. 25; pernicious anæmia, br.-pneu. 30. 55. Toxæmia, bronchitis 60; tox., pleuro-pneu. 30; tox., lobar pneu. 25, 35; tox., double pneu. 15, 25; tox., septic double pneu., suppurating bedsores 15; tox., septic pneu. 30; tox., pulm. œdema 40; tox., jaundice 20; tox., hyperpyrexia 20. 60. Encephalitis 25, 25, 50; infective encephalitis 15, 15; encephalitis, coma 25; cerebral abscess 25; cerebral abs., br.-pneu. 20; cerebral abs., pneu., empyema 25; cerebritis 40; cerebritis, congestion of lungs 20; inflammation of brain and membranes 15. 61. Basal meningitis 20; post basic meningitis, thrombosis of cavernous sinus 35; cerebro-spinal meningitis 15, 20, 25, 25; cerebro-spinal meningitis, pneu. 15, 30; cerebro-spinal meningitis (pneumococcal origin), pneu. 25; meningoencephalitis, lobar pneu. 20; cerebral men. 15, 20; cerebral men., br.-pneu. 20; meningitis (meningococcus) 20; men. (pneumococcal) 25; men. (streptococci) 25; men., internal hydrocephalus 25; men., otitis media, br.-pneu. 45; men., pericarditis, pleurisy 35; men., acute endocarditis, br.-pneu. 20; men., mitral regurgitation, br.-pneu. 30; men., tachycardia 15; men., br.-pneu. 15, 20, 30; men., br.-pneu., ac. nephritis 30; men., double pneu. 30. 62. Myelitis 30; transverse myelitis, bronchitis 15; acute spinal myelitis, paralysis of intercostals 40; spastic



LIST SUPPLEMENTARY TO TABLE XXII.—*continued.*

paraplegia, pneu. 20. 64. Congestion of brain 15; congestion of brain, pneu. 20; congestion of brain, coma 15; cerebral hæmorrhage, softening of brain 30. 66. Hemiplegia 35; hemiplegia, thrombosis, pneu. 25; hemiplegia, br.-pneu. 35; paraplegia, pneu. 30. 67. General paralysis of the insane 30, 40; general par., of insane, pneu. 25, 30. 68. Confusional insanity, pneu. 25; delusional insanity, pneu. 35; dementia, pulmonary congestion 25; mania 20, 20; mania, pneumonia 25. 69. Epileptic convulsions 20; epilepsy, septic pneu., shell shock 20. 70. Epileptiform convulsions, pleurisy 20. 74. Tumour of brain 20; paralysis of vagus nerve 20; nervous debility, bronchitis, br.-pneu. 30. 76. Inflammation of middle ear, ulcerative endocarditis 15.

77. Pericarditis 15, 15, 25, 25, 30, 30, 40; purulent pericarditis 30; pericarditis, endocarditis 25; pericarditis, br.-pneu., empyema, peritonitis 15; pericarditis, lobar pneu. 35; pericarditis, septic pneu. 15; pericarditis, pneu. 15, 15, 20, 20, 20, 25, 25, 40; pericarditis, pneu., empyema 20. 78. Myocarditis 20, 25, 25, 30, 30, 30; myocarditis and endocarditis 20; myocarditis, angina pectoris 35; myocarditis, purulent bronchitis, œdema of lungs 40; myocarditis, br.-pneu. 20, 20, 25, 25, 30, 30, 30; myocarditis, br.-pneu., pleurisy 15; myocarditis, pneu. 20; infective endocarditis, br.-pneu. 20; malig. endoc. 20; septic endoc. 25; septic endoc., pneu. 25; ulcerative endoc. 25; ulcer. endoc., br.-pneu., nephritis 25; endocarditis 25, 25, 25, 30, 35, 35; acute and chronic endoc. 35; endoc., br.-pneu. 25; endoc., pneu. 25, 25, 25, 40. 79. Aortic incompetence 25; aortic regurgitation 20, 25, 45; aortic regurg., bronchitis 30; aortic disease, double pneu. 30; aortic dis., pneu. 30; aortic and mitral dis., br.-pneu. 30; mitral stenosis, br.-pneu. 25; mitral incompetence, br.-pneu. 25; mitral incompet., pneu. 20, 30; mitral regurg., pneu. 20, 30; mitral dis. 20, 20, 35, 40; mitral dis., bronchitis 35; valvular dis. 20, 20, 25, 25, 30, 30; valv. dis., br.-pneu. 55; valv. dis., double pneu. 25, 40; valv. dis., pneu. 25, 25, 30, 35, 35, 35; valv. dis., arthritis 30; chronic endoc., br.-pneu. 25; dilatation of heart 20, 20, 25, 35; dilat., cerebral embolism 25; dilat., capillary bronchitis 25, 40, 40; dilat., br.-pneu. 20, 30, 40; dilat., pneu. 25; dilat., nephritis 45; dis. of heart muscle, pneu. 25; heart disease 25, 30, 30; ht. dis., pneu. 35; ht. dis., pneu., gassed 25. 80. Angina pectoris, pneu. 50. 82. Cerebral embolism, infarct of lung 35; pulmonary embolism 20; pulm. embol., pneu. 20; pulm. embol., empyema 25; embolism, pneu. 25; thrombosis of right external iliac vein 25. 83. Phlebitis, br.-pneu. 25.

87. Laryngitis, pneu. 30; laryngitis, congestion of lungs, septic nephritis, uræmic poisoning 15. 90. Bronchial catarrh, hæmoptysis 30; bronchiolitis 25, 25; capillary bronchitis, br.-pneu. 30, 30, 40; cap. bronch., pneu. 20, 45; cap. bronch., empyema, asphyxia 20; cap. bronch., diarrhœa 35; purulent bronch., br.-pneu. 25, 25, 25, 30, 35, 35; pur. bronch., lobar pneu. 25; pur. bronch., pneu. 20, 20, 25, 25, 25, 30, 30, 35, 35; septic bronch., br.-pneu. 30; sep. bronch., double pneu. 15; sep. bronch., pneu. 15, 15, 15, 25, 25, 35, 40; sep. bronch., empyema 25; bronchitis, br.-pneu. 20, 20, 30, 40, 40, 50; bronch., br.-pneu., pleurisy 25; bronch., lobar pneu. 20, 20; bronch., pneu., pleurisy 30; bronch., pleurisy 35; bronch., œdema of lungs 45; bronch., asthma 20, 30; bronch., hæmoptysis 35; bronch., gastritis 20; bronch., acute nephritis 15, 25; bronch., chronic nephritis 20, 30; bronchitis, shell gas poisoning 20, 25. 91. Catarrhal pneu. 15, 25, 35, 45; double br.-pneu. 20, 25, 25, 30, 30, 40, 45; septic br.-pneu., pleurisy 25; confluent br.-pneu. 20, 20; streptococcal br.-pneu. 30; purulent br.-pneu. 20, 25, 25; virulent br.-pneu. 30; bilateral br.-pneu. 20, 25, 25, 25; br.-pneu., lobar pneu. 15, 20, 25, 30, 30, 35, 35, 35; br.-pneu., empyema, pleurisy 20; br.-pneu., pleurisy 15, 15, 20, 25, 30, 30; br.-pneu., collapse of lung, gunshot wound 35; pulmonary gangrene 15, 25, 35; br.-pneu., asthma 15, 20; br.-pneu., asthma, asphyxia 40; br.-pneu., emphysema 20, 25; br.-pneu., emphysema, suppression of urine 40; br.-pneu., hæmoptysis 25, 50; br.-pneu., Vincent's angina 20; br.-pneu., enteritis 30; br.-pneu., appendicitis 15, 20; br.-pneu., septic jaundice 15; br.-pneu., jaundice, hæmaturia 25; br.-pneu., cholecystitis 20; br.-pneu., peritonitis 15, 25; br.-pneu., acute nephritis 15, 20, 20, 25, 30, 35, 35; br.-pneu., chronic nephritis 30, 50; br.-pneu., albuminuria 25, 25, 30; br.-pneu., parenchymatous nephritis 35; br.-pneu., nephritis 30, 30, 35; br.-pneu., uræmia 20; br.-pneu., gunshot wound 25; br.-pneu., coma 35. 92. Apical pneu. 20; apical lobar pneu. 35; basal pneu. 15, 20, 25, 35; septic basal bilateral pneu. 30; double basal pneu. 20, 25; croupous pneu. 25, 25, 30, 6 @ 35; double croupous pneu. 20, 25; bilateral lobar pneu. 20, 25; lobar pneu., empyema 15, 15, 25; lobar pneu., empyema, pneumothorax 25; lobar pneu., pleurisy 20, 20; lobar pneu., œdema of lungs 25; lobar pneu., gangrene of lungs 25; lobar pneu., asthma 40; lobar pneu., jaundice 20, 20; lobar pneu., cholecystitis 15; lobar pneu., acute nephritis 20; lobar pneu., chronic interstitial nephritis 30; lobar pneu., gassed 25; lobar pneu., shell shock 25; lobar pneu., gunshot wounds 15, 30; lobar pneu., asphyxia 30; cerebral influenza, double pneu. 15, 25; septic double pneu. 25, 25, 25; double pneu., empyema 15, 25; double pneu., pleurisy 20, 30; double pneu., œdema of lungs 35; double pneu., appendicitis 15; double pneu., jaundice 30; double pneu., acute nephritis 30, 30, 35; bilateral pneu. 20, 20, 20, 40; septic pneu., empyema 20; septic pneu., boils 25; streptococcal pneu., empyema 15, 15; pneu., empyema, hæmoptysis 15; pneu., pneumothorax 25; pneu., pulm. congestion 30; pneu., pulm. œdema 35; pneu., gangrene of lungs 20, 30, 35; pneu., asthma 20, 35, 45; pneu., abscess of lung 25, 30; pneu., hæmoptysis 25, 25, 30, 35, 45; pneu., tonsillitis 20; pneu., gastric ulcer, hæmatemesis 15; pneu., gastritis 15, 20, 45; pneu., enteritis 35; pneu., appendicitis 15; pneu., jaundice 30; pneu., cholecystitis 25; pneu., peritonitis 20; pneu., albuminuria 45; pneu., nephritis 20, 25, 25, 30, 40; pneu., uræmic convulsions 35; pneu., suppression of urine 30; pneu., gangrene of feet 25; pneu., carbuncle 40; pneu., surgical emphysema 20; pneu., synovitis of left knee 30; pneu., congenital heart disease 25; pneu., fracture of tibia 20; pneu., gassed 20, 25, 30, 35, 35; pneu., shell shock 40; pneu., gunshot wound 20, 25; pneu., hyperpyrexia 35; pneu., coma 30. 93. Empyema, acute dilatation of stomach 15. 94. Hyperæmia of lungs 25, 30; œdema of lungs 15, 25, 25, 30, 40; œdema of lungs, acute nephritis 25; hypostatic pneu., 45, 50. 95. Gangrene of lung 20, 25, 40. 96. Asthma 15, 25, 30, 35, 40, 55; asthma, gassed 30. 98. Fibroid phthisis 25; abscess of lung 30; hæmoptysis 20, 30, 30.

103. Gastritis 20, 40; dilatation of stomach 25. 105. Diarrhœa 20, 20, 25, 30; enteritis 35, 45; gastro enteritis 15, 15, 25, 30, 35; ulcerative colitis 35. 108. Appendix abscess, portal obstruction 15. 115. Abscess of liver 20, 30; icterus 15. 117. Peritonitis 15, 15, 15. 120. Chronic nephritis, uræmia 30; nephritis 20, 20, 20, 45; uræmic convulsions 20. 122. Anuria 30. 124. Bacilli coli infection of bladder 45; cystitis 25. 146. Osteomyelitis (left femur) 20. 186. Gas shell poisoning 15, 20. 189. Hyperpyrexia 20, 25, 25, 30; pyrexia 25; pyrexia, delirium 45; delirium 25, 40; delirium, coma 25; coma 30, 45.



TABLE XXIII.—DEATHS OF CIVILIANS NOT CLASSED TO INFLUENZA, but ASSOCIATED THEREWITH, 1ST OCTOBER, 1918, TO 10TH MAY, 1919. CAUSE TO WHICH DEATH WAS CLASSED.

TABLE A. See pages 30 and 31.

| Cause.   | Sex | All Ages. | Under 1 year. | 1— | 5— | 10— | 15— | 20— | 25— | 30— | 35— | 40— | 45— | 55— | 65— | 75— |
|--|-----|-----------|---------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 8. Whooping cough ...                          | M   | 20        | 6             | 10 | 2  | 1   | —   | —   | —   | 1   | —   | —   | —   | —   | —   | —   |
|  | F   | 28        | 5             | 18 | 4  | 1   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
| 8. Whooping cough, convulsions.                | M   | 4         | —             | 4  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|  | F   | 18        | —             | 15 | 3  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
| 8. Whooping cough, broncho-pneumonia.          | M   | 19        | 2             | 16 | 1  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|  | F   | 25        | 2             | 19 | 4  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
| 8. Whooping cough, pneumonia.                  | M   | 7         | —             | 3  | 3  | 1   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|  | F   | 10        | 2             | 4  | 4  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
| 9. Diphtheria ...                              | M   | 9         | —             | 4  | 1  | 1   | —   | 1   | —   | —   | 1   | —   | —   | —   | 1   | —   |
|  | F   | 6         | —             | 3  | 1  | —   | —   | —   | 2   | —   | —   | —   | —   | —   | —   | —   |
| 28. Pulmonary tuberculosis ...                 | M   | 517       | 1             | 4  | 10 | 23  | 42  | 45  | 70  | 85  | 63  | 54  | 75  | 35  | 9   | 1   |
|  | F   | 488       | 1             | 7  | 7  | 36  | 50  | 72  | 87  | 62  | 45  | 44  | 33  | 30  | 12  | 2   |
| 28. Pulmonary tuberculosis, bronchitis.        | M   | 13        | —             | —  | —  | —   | —   | —   | 2   | 2   | 1   | 4   | 3   | 1   | —   | —   |
|  | F   | 16        | —             | —  | —  | —   | 1   | 1   | 2   | 6   | —   | 2   | 2   | 1   | 1   | —   |
| 28. Pulmonary tuberculosis, broncho-pneumonia. | M   | 57        | —             | 1  | 2  | 6   | 6   | 1   | 12  | 8   | 6   | 2   | 6   | 5   | 2   | —   |
|  | F   | 45        | —             | 1  | 1  | 4   | 6   | 5   | 7   | 7   | 4   | 3   | 5   | 2   | —   | —   |
| 28. Pulmonary tuberculosis, lobar pneumonia.   | M   | 42        | —             | —  | —  | —   | 4   | 8   | 5   | 6   | 3   | 4   | 6   | 5   | 1   | —   |
|  | F   | 10        | —             | —  | —  | —   | 1   | 3   | —   | 1   | —   | 1   | 1   | 2   | 1   | —   |
| 28. Pulmonary tuberculosis, pneumonia.         | M   | 135       | —             | —  | 2  | 6   | 12  | 23  | 30  | 21  | 18  | 8   | 10  | 4   | 1   | —   |
|  | F   | 91        | —             | 1  | 3  | 5   | 8   | 17  | 18  | 16  | 7   | 5   | 6   | 5   | —   | —   |
| 28. Pulmonary tuberculosis, hæmoptysis.        | M   | 9         | —             | —  | —  | —   | 1   | —   | 2   | 1   | —   | 3   | 2   | —   | —   | —   |
|  | F   | 4         | —             | —  | —  | —   | 1   | 2   | 1   | —   | —   | —   | —   | —   | —   | —   |
| 28. Phthisis ...                               | M   | 181       | —             | —  | 1  | 5   | 13  | 18  | 44  | 25  | 23  | 19  | 23  | 8   | 2   | —   |
|  | F   | 145       | —             | —  | 2  | 5   | 19  | 34  | 27  | 15  | 15  | 11  | 12  | 2   | 3   | —   |
| 28. Phthisis, bronchitis ...                   | M   | 7         | —             | —  | —  | —   | 1   | 1   | —   | 1   | 2   | —   | 2   | —   | —   | —   |
|  | F   | 4         | —             | —  | —  | —   | —   | —   | 1   | 1   | 1   | 1   | —   | —   | —   | —   |
| 28. Phthisis, broncho-pneumonia.               | M   | 11        | —             | —  | —  | 1   | 1   | 1   | 4   | 2   | —   | —   | 2   | —   | —   | —   |
|  | F   | 10        | —             | —  | —  | 1   | 1   | —   | 3   | —   | 3   | 1   | —   | 1   | —   | —   |
| 28. Phthisis, pneumonia ...                    | M   | 47        | —             | —  | —  | —   | 4   | 6   | 15  | 8   | 3   | 5   | 3   | 3   | —   | —   |
|  | F   | 41        | —             | —  | 1  | —   | 4   | 7   | 6   | 9   | 7   | 2   | 3   | 1   | 1   | —   |
| 29. Acute phthisis ...                         | M   | 25        | —             | —  | —  | 1   | 2   | 1   | 1   | 4   | 3   | 5   | 3   | 3   | 2   | —   |
|  | F   | 38        | —             | —  | 2  | 3   | 3   | 6   | 9   | 6   | 4   | 4   | 1   | —   | —   | —   |
| 29. Acute phthisis, pneumonia                  | M   | 4         | —             | —  | —  | —   | 1   | 1   | 1   | —   | 1   | —   | —   | —   | —   | —   |
|  | F   | 9         | —             | —  | —  | —   | 1   | 1   | 5   | 1   | —   | 1   | —   | —   | —   | —   |
| 29. Acute miliary tuberculosis                 | M   | 7         | —             | 1  | —  | —   | 3   | 1   | —   | —   | —   | 2   | —   | —   | —   | —   |
|  | F   | 9         | —             | —  | —  | 1   | —   | 2   | 1   | 1   | 1   | 1   | 1   | 1   | —   | —   |
| 30. Tuberculous meningitis...                  | M   | 8         | —             | 3  | 3  | 1   | —   | —   | —   | 1   | —   | —   | —   | —   | —   | —   |
|  | F   | 9         | 1             | 3  | 2  | —   | 1   | 1   | 1   | —   | —   | —   | —   | —   | —   | —   |
| 31. Tuberculous peritonitis ...                | M   | 8         | —             | 4  | —  | —   | 1   | 1   | —   | 1   | —   | 1   | —   | —   | 1   | —   |
|  | F   | 7         | —             | 3  | —  | —   | 1   | 1   | 1   | —   | —   | —   | —   | —   | —   | —   |
| 32. Tuberculosis of spine ...                  | M   | 13        | —             | —  | 2  | 2   | 2   | 2   | 2   | 2   | —   | —   | 1   | —   | —   | —   |
|  | F   | 19        | —             | —  | 1  | 3   | 6   | 5   | 2   | 1   | —   | —   | 1   | —   | —   | —   |
| 32. Tuberculosis of spine, broncho-pneumonia.  | M   | 8         | —             | —  | 3  | 2   | 3   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|  | F   | 5         | —             | —  | —  | 2   | 1   | 1   | 1   | —   | —   | —   | —   | —   | —   | —   |
| 32. Tuberculosis of spine, pneumonia.          | M   | 8         | —             | 2  | 1  | —   | 1   | —   | 1   | 1   | —   | 1   | 1   | —   | —   | —   |
|  | F   | 8         | —             | —  | 1  | 2   | —   | 4   | —   | —   | 1   | —   | —   | —   | —   | —   |
| 35. Disseminated tuberculosis                  | M   | 11        | —             | 1  | 3  | —   | 2   | 1   | 1   | 1   | 2   | —   | —   | —   | —   | —   |
|  | F   | 5         | —             | 1  | 2  | —   | —   | 1   | 1   | —   | —   | —   | —   | —   | —   | —   |
| 158. Suicide by drowning ...                   | M   | 3         | —             | —  | —  | —   | —   | —   | —   | —   | —   | —   | 2   | 1   | —   | —   |
|  | F   | 8         | —             | —  | —  | —   | —   | 3   | 2   | —   | —   | —   | 1   | 1   | 1   | —   |

LIST SUPPLEMENTARY TO TABLE XXIII.

(See page 30.)

(1.) Enteric fever 25, 30, 30, 40, 65, 15, 30, 35; enteric fever, br.-pneu. 25; enteric fever, double pneu. 10; enteric fever, pneu. 35, 40, 50.

(3.) Malta fever 40.

(4.) Malaria 30, 40, 50; malaria, melancholia 70; malaria, capillary bronch. 35; malaria, bronch. 25; malaria, br.-pneu. 20; malaria, lobar pneu. 25; malaria, pneu. 30, 30, 30, 30, 35.

(6.) Measles 3, 5, 0, 3, 5; measles, capillary bronch. 3; measles, bronch. 5, 2; measles, br.-pneu. 2, 3, 3, 3, 4; measles, pneu. 0, 3, 5, 40.

(7.) Scarlet fever 2, 4, 5, 2, 5, 5, 25; scarlet fever, pneumococcal pyæmia 5; scarlet fever, convulsions, pneu. 0; scarlet fever, br.-pneu. 2, 5; scarlet fever, lobar pneu. 5, 10; scarlet fever, apical pneu. 25; scarlet fever, pneu. 0, 10, 45; scarlet fever, pneu., pleurisy 15; scarlet fever, diarrhoea 2.

(8.) Whooping-cough, measles 2; wh.-cough, chicken pox, br.-pneu. 2; wh.-cough, pul. tub., br.-pneu. 3, 5; wh.-cough, cer. men. 3; wh.-cough, men. 1, 2, 4, 4, 0, 1, 3, 3; wh.-cough, men., teething 2; wh.-cough, conv., br.-pneu. 0, 3; wh.-cough, conv., pneu. 1; wh.-cough, capillary bronch. 1; wh.-cough, bronch. 0, 1, 1, 2, 3, 4; wh.-cough, double pneu. 5; wh.-cough, pneu., acute nephritis 4; wh.-cough, pulm. congestion 0, 4, 5; wh.-cough, pulm. collapse 4; wh.-cough, tonsillitis 4; wh.-cough, teething 0.

(9.) Diphtheria, tracheotomy 5; diph., chicken-pox, br.-pneu. 4; diph., bronch. 5; diph., br.-pneu. 3, 5, 10, 5; diph., pneu. 3, 5, 5, 10, 3, 15; diph., abortion 25; faucial diph., lobar pneu. 20.

(14.) Dysentery 0, 25, 30, 35, 50, 60; dysentery, br.-pneu. 30; dysentery, pulm. congestion 55.

(24.) Tetanus 20.

(25.) Actinomycosis, pulm. œdema 30.

LIST SUPPLEMENTARY TO TABLE XXIII.—*continued.*

(28.) Pulmonary tuberculosis, acute miliary tub. 35; pul. tub., tub. men. 25, 25, 25, 30, 5, 10, 10; pul. tub., tub. perito. 40; pul. tub., tub. perito., br.-pneu. 30; pul. tub., tub. of mesenteric glands 3; pul. tub., tub. of bowel and spine, lardaceous dis. 10; pul. tub., tub. of bowels, double pneu. 40; pul. tub., ischio rectal tub., toxæmia 30; pul. tub., spinal caries 15, 25; pul. tub., tub. of spine 20; pul. tub., tub. of spine and hip joint 25; pul. tub., tub. of spine, br.-pneu. 30; pul. tub., tub. of spine, pneu. 20; pul. tub., tub. of knee joint 35; pul. tub., abs. of hip joint 35; pul. tub., abs. of elbow, br.-pneu. 25; pul. tub., lupus 45; pul. tub., tub. of glands 30, 35; pul. tub., tub. of glands and leg bones, br.-pneu. 10; pul. tub., tub. of glands, br.-pneu. 15; pul. tub., osteo-arthritis 30; pul. tub., diabetes 60; pul. tub., toxæmia 30; pul. tub., cerebellar abs., mastoid abs., pulm. gangrene 20; pul. tub., men. 20, 25, 10; pul. tub., disseminated lateral sclerosis 35; pul. tub., cerebral congestion 30; pul. tub., mania 40, 45; pul. tub., epilepsy, pneu. 15, 50; pul. tub., idiocy, double pneu. 20; pul. tub., pericarditis 30; pul. tub., pericarditis, valv. dis. 15; pul. tub., endocarditis 35; pul. tub., mitral regurg., pneu. 25; pul. tub., mitral regurg., asthma 40; pul. tub., mitral stenosis 20; pul. tub., mitral dis. 25; pul. tub., valv. dis., lobar pneu. 50, 60; pul. tub., valv. dis., pneu. 25, 30; pul. tub., dilated ht. 30, 20; pul. tub., ht. dis. 10, 15, 35, 30; pul. tub., ht. dis., br.-pneu. 25; pul. tub., arterio-sclerosis 75; pul. tub., bronchiectasis 15; pul. tub., capillary bronch. 20; pul. tub., bronch., pneu. 50; pul. tub., bronch., pulm. cong. 60; pul. tub., bronch., acute nephritis, dropsy 25; pul. tub., br.-pneu., hæmoptysis 5, 15; pul. tub., double pneu. 30, 15, 20, 35; pul. tub., pleuro-pneu. 30; pul. tub., lobar pneu., hæmoptysis 15; pul. tub., septic pneu. 20, 25, 25; pul. tub., septic pneu., pulm. abs. 20; pul. tub., pneu., pleural effusion 30; pul. tub., pneu., abortion 25; pul. tub., pneu., childbirth 20, 25, 30; pul. tub., pleurisy 25, 30, 40, 25; pul. tub., pulm. congestion 40, 40, 45, 50, 55, 10, 30; pul. tub., pulm. gangrene 35, 65; pul. tub., asthma 40; pul. tub., gastritis 65; pul. tub., hæmatemesis 15; pul. tub., gastro-enteritis 20; pul. tub., chr. Bright's dis. 70; pul. tub., uræmia 30; pul. tub., childbirth 30, 35; pul. tub., congenital deformity 30, 35; pul. tub., gassed 30; pul. tub., gunshot wounds 25; pul. tub., hyperpyrexia 20; phthisis, rheu. arth. 30; phth., diabetes, pleurisy 20; phth., epilepsy 25; phth., imbecility, pneu. 10, 20; phth., mitral dis. 45, 20; phth., ht. dis. 35; phth., ht. dis., pneu. 15; phth., bronch., br.-pneu. 5; phth., bronch., pneu. 25; phth., catarrhal pneu. 30; phth., lobar pneu. 30, 35, 20, 45; phth., pleuro-pneu. 15; phth., double pneu. 10, 25, 15, 35; phth., croupous pneu. 30; phth., septic pneu. 15; phth., pneu., gassed 35; phth., empyema 15; phth., pleurisy 30, 35; phth., pulm. cong. 20, 35; phth., pulm. gangrene 20; phth., hæmoptysis 30, 40, 55, 35; phth., gastric ulceration 15; phth., abortion 30; phth., dropsy 40; phth., hyperpyrexia 20; phth., asphyxia 55.

(29.) Acute phth., general tub. 30; ac. phth., hemiplegia, br.-pneu. 4; ac. phth., ht. dis., bronch. 25; ac. phth., br.-pneu. 25, 30, 25; ac. phth., lobar pneu. 25; ac. phth., double pneu. 15; ac. phth., hæmoptysis 55; ac. miliary tub., bronch. 50.

(30.) Tuberculous meningitis, convulsions 10; tub. men., pneu. 5, 10.

(31.) Tabes mesenterica 20; tabes mes., empyema 5; tub. peritonitis, laryngitis, br.-pneu. 4; tub. perito., br.-pneu. 5, 2, 4, 4; tub. perito., pneu. 20; tub. perito., ulceration of rectum 35; tub. perito., gastro-intestinal catarrh 4; intestinal tub., chr. myelitis 20.

(32.) Tub. of spine, paraplegia, pneu. 10; tub. of spine, otitis media 15; tub. of spine, valv. dis. 25; tub. of spine, ht. dis., br.-pneu. 25; tub. of spine, bronch. 15, 15, 25, 30, 3, 20, 20, 25; tub. of spine, septic pneu. 10; tub. of spine, pneu., hæmatemesis 30.

(33.) Tub. of joints 15; tub. of joints, men. 20; tub. dis. of joints and bones, pneu. 15; tub. of knee 60; tub. of hip 10, 15, 15, 20; tub. of hip, pneu. 10; tub. of hip, kidney dis. 5; hip disease 10, 25, 30; hip dis., ht. dis., pneu. 10; tub. abs. of hip, pneu. 55.

(34.) Lupus vulgaris 60; lupus, tox. 55; lupus, mitral regurg. 30; tub. dactylitis and lupus, br.-pneu. 10; tub. adenitis of axilla 65; tub. of cervical glands 0, 5; tub. of neck glands, pneu. 25; tub. of kidney 20, 20, 35, 35; tub. of kidney, pyonephrosis 45; tub. cystitis, gastritis 35; tub. of bones 65; tub. of bones of left arm 15; tub. of elbow, br.-pneu. 45.

(35.) Disseminated tub. 5, 2, 10, 25, 50; dissem. tub., br.-pneu. 40; dissem. tub., pneu. 40; general tub., bronch. 2; gen. tub., br.-pneu. 4; gen. tub., pneu. 35, 10, 25.

(37.) Congenital syphilis 0, 2; syphilis 35, 50, 70, 1, 25, 60; syphilis, paraplegia 40; syphilis, aortic dis. 60; congenital syphilis, br.-pneu. 1; syphilis, br.-pneu., abortion 25; congenital syphilis, pneu. 5; secondary syphilis, pneu. 20; tertiary syphilis, pneu. 25; syphilis, pneu. 55, 5; syphilis, nephritis 30; specific dis. 20; specific marasmus 1.

(38.) Gonococcal infection, phlebitis, pneu., parturition, pyrexia 15; gonococcal leucorrhœa, pelvic peritonitis 30.

(39.) Cancer of tongue 80; cancer of tonsil and pharynx, bronch. 65.

(40.) Cancer of œsophagus 65, 70; can. of œsoph., bronch. 80; can. of œsoph., br.-pneu. 80; carcinoma of hepatic pylorus 50; can. of pylorus 80; can. of pylorus, pneu. 30; carci. of stomach 55; sarcoma of stomach 35; can. of stomach 50, 55, 55, 55, 55; carci. of stomach, br.-pneu. 75; can. of stomach, hæmatemesis 30; carci. of liver 50, 50; cancer of liver 50, 55, 55, 40, 40, 55, 65; carci. of liver, pneu. 35; malignant dis. of liver, pneu. 65; can. of liver, pulm. cong. 65.

(41.) Carci. of cæcum 50; can. of colon, bronch. 70; can. of large intestine, abdom. tumour, pneu., ascites 60; malig. tumour of splenic flexure 55; carci. of bowel 45; can. of bowel 50, 65, 55; carci. of rectum 45, 50; can. of rectum 70; can. of rectum, pneu. 65.

(42.) Can. of cervix uteri 60; carci. of cervix uteri, br.-pneu. 40; can. of body of uterus, pulm. cong. 50; carci. of uterus 35, 45, 50, 60, 60, 65; can. of uterus, pneu. 40; cancer of vulva 60; can. of labia 70.

(43.) Carci. of right breast 45; carci. rt. breast, bronch. 40; scirrhus—left breast 60; cancer—left breast 50, 70; carci.—left breast, br.-pneu. 45; carci.—left breast, pneu. 35; carci.—breast 45, 50, 55, 60; cancer of breast 45, 50, 55, 55, 55, 65; carci.—breast, bronch. 50, 80; carci.—breast, pneu. 45; malig. dis. of breast, pneu. 50; cancer of breast, pneu. 40, 55.

(44.) Cancer of foot and leg 50; cancer of chin 80.

(45.) Cancer of lung 35; cancer of lung, pul. tub., lobar pneu. 25, 45; cancer of pancreas 70; cancer of bladder 60; cancer of bladder, pneu. 70; carci. of mediastinal glands 65; malignant glands of neck 30; sarcoma of connective tissue, carcinoma of arm with secondary deposits in left lung 60; malig. dis. of spleen, bronch. 60; cancer of mediastinum 65.



LIST SUPPLEMENTARY TO TABLE XXIII.—*continued.*

- (47). Rheumatic fever 5, 5, 10, 15, 25, 20, 65; rheu. fever, pericarditis 5, 10; rheu. fever, valv. dis. 10; rheu. fever, bronch. 25; rheu. fever, br.-pneu. 20; rheu. fever, double pneu. 15; rheu. fever, pneu. 15, 45, 15, 15, 35; rheu. fever, uterine fibroma 50; rheumatic endoc., pneu. 30; acute rheumatism 0, 50; ac. rheum., chorea 10; acute rheum., pericarditis, br.-pneu. 25, acute rheum., pulm. embol. 25.
- (52). Addison's dis. 30, 20; Addison's dis., tox. 25; Addison's dis., br.-pneu. 35.
- (57). Industrial plumbism 50, 60; plumbism, pneu. 35.
- (81). Aneurysm 50, 55; aneurysm, bronch. 65; aneurysm, pneu. 55; aneurysm of aorta 50; aneurysm of aorta, bronch. 60.
- (109). Strangulated hernia 60, 65, 80; strang. hernia, bronch. 60, 65, 70; strang. hernia, br.-pneu. 1, 65; strang. hernia, ventral hernia 55; double inguinal rupture 0; acute obstruction of bowel 50; intestinal obs. 50, 75; intestinal obs., lobar pneu. 30.
- (137). Puerperal fever 25, 25, 30; puer. fever, men., pneu., abortion 25; puer. fever, dilated ht., abortion 35; puer. fever, bronch. 20, 25; puer. fever, br.-pneu. 25; puer. fever, miscarriage 35, 35; puer. septicaemia 25, 25; puer. sept., pneu., childbirth 25; puer. sept., premature labour 35; puer. sept., abortion 35; puer. sept. (streptococci), parturition 30; puer. sept., parturition 15; pelvic cellulitis, childbirth 25; metritis, abortion 30; metritis, confinement 15; puer. peritonitis, abortion 40.
- (139). Puer. phlegmasia alba dolens 20; puer. phlegmasia, pneu. 25, 35; puer. phlegmasia, gangrene of lung 20; phlebitis of leg, confined 45.
- (141). Puer. abs. of breast, gastric catarrh 25.
- (150). Congenital valv. dis. of ht. 0; patent foramen ovale, capillary bronch. 0.
- (151). Premature birth 0, 0, 0, 0, 0, 0, 0, 0; prem. birth, conv. 0; prem. birth, bronch. 0; premature birth (maternal influenza) 0, 0, 0, 0, 0, 0, 0, 0, 0; prem. birth (maternal influenza and chorea) 0; prem. birth (maternal influenza and pneumonia) 0, 0, 0; inanition and debility (pre-natal maternal influenza) 0, 0, 0, 0, 0, 0, 0, 0; deficient vitality (maternal influenza) 0; general exhaustion (maternal influenza and bronchitis) 0.
- (152). Injury at birth (maternal influenza) 0; cyanosis neonatorum (maternal influenza) 0.
- (156). Suicide by coal gas 70.
- (157). Suicide by strangulation 55.
- (160). Suicide by cutting or piercing instruments 30, 30, 35, 35, 40, 40, 45, 55, 65; suicide by razor, br.-pneu. 25; suicide by razor, pneu. 40.
- (161). Suicide by jumping from high place 25, 30, 30, 40.
- (162). Suicide by jumping before train 20.
- (167). Accidental scalds, epilepsy, pneu. 40; accidental burns, br.-pneu. 5.
- (172). Accidental fall 50, 50, 70, 55, 80.
- (173). Accidental injury in mines:—Fall of roof 45; run over by corf 15; crushed by tub, br.-pneu. 20.
- (175). Accidental fall from train, pneu. 70; knocked down by bicycle, pneu. 55.
- (176). Kicked by cow, pneu. 55.
- (186). Gas poisoning in war 25; shell shock, pleuro-pneu. 30; gunshot wounds, diabetes 15; G.S.W., aneurysm 40; G.S.W., capillary bronch. 40; G.S.W., bronch., pneu. 30; G.S.W., double pneu. 20; G.S.W., lobar pneu. 25; G.S.W., septic pneu. 30, 30; G.S.W., pneu. 20, 25, 25, 25, 35; G.S.W., pneu., pleurisy 35; G.S.W., empyema 20; G.S.W., enteritis, peritonitis 35.
- (189). Pyrexia, pre-natal influenza 0.

## TABLE XXIV.—DEATHS OF NON-CIVILIANS NOT CLASSED TO INFLUENZA but ASSOCIATED THEREWITH, 1ST OCTOBER, 1918, TO 10TH MAY, 1919.—CAUSE to which DEATH was CLASSED.

(TABLE A AND SUPPLEMENTARY LIST COMBINED. See pages 30 and 31.)

- (1.) Enteric fever 30, 30.
- (4.) Malaria 20, 20, 25; malaria, broncho-pneu. 30; malaria, pleuro-pneu. 35; malaria, pneu. 20, 25, 30; malaria, pleurisy 40.
- (7.) Scarlet fever, empyema 15.
- (9a.) Diphtheria 25.
- (14.) Dysentery 20; dysentery, bronchitis 30; dysentery, br.-pneu. 20, 35; dysentery, pneu. 15, 20, 25.
- (28a.) Pulmonary tuberculous 6 @ 20, 4 @ 25, 3 @ 30, 45; pul. tub., pericarditis 15; pul. tub., capillary bronchitis 30; pul. tub., br.-pneu. 20, 25, 35, 35; pul. tub., lobar pneu. 25; pul. tub., pneu. 20, 25, 25, 30, 30, 45.
- (28b.) Phthisis (not defined as tuberculous) 20, 25; phthisis, pneu. 20, 20.
- (29a.) Acute phthisis 15; acute phthisis, br.-pneu., 25; acute phthisis, pneu. 15, 30.
- (29b.) Acute miliary tuberculosis 25.
- (30.) Tuberculous meningitis 20.
- (32.) Tuberculosis of spinal column 25.
- (37.) Syphilis 25; syphilis, septicaemia 20; syphilis, pneu. 25.
- (45.) Cancer of bladder 25.
- (47.) Rheumatic fever 20; rheu-fever, br.-pneu. 25, 30.
- (81a.) Aneurysm, pneu. 40.
- (158.) Suicide by drowning, pneu., pleurisy 25.
- (160.) Suicide by wound in throat 30.
- (169.) Accidental drowning 45.
- (175.) Run over, pneu. 35.
- (186.) Gun shot wounds, etc. 3 @ 20, 3 @ 25, 30, 35; G.S.W., toxæmia, br.-pneu. 25; G.S.W., meningitis 25; G.S.W., pulm. embol., pneu. 20; G.S.W., capillary bronch. 20; G.S.W., bronch. 30, 30; G.S.W., br.-pneu. 15, 4 @ 20, 7 @ 25, 30, 30; G.S.W., br.-pneu., abscess of submaxillary gland 35; G.S.W., croupous pneu. 15; G.S.W., lobar pneu. 15, 20, 25, 30; G.S.W., double pneu. 25; G.S.W., double pneu., arthritis 20; G.S.W., septic pneu. 20, 20; G.S.W., pneu. 15, 15, 9 @ 20, 12 @ 25, 6 @ 30, 5 @ 35; G.S.W., pulm. congestion 30; G.S.W., abscess of lung 20, 20.

TABLE XXV.—CAUSES ASSOCIATED WITH INFLUENZA: Civilian and non-Civilian deaths;  
23rd June–30th September, 1918.

TABLE B. See page 31.

| No.    |                                     | Sex. | All Ages. | Under 1 Year. | 1— | 5— | 10— | 15— | 20— | 25— | 30— | 35— | 40— | 45— | 55— | 65— | 75— |
|--------|-------------------------------------|------|-----------|---------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 20B    | Gastric influenza ...               | M    | 20        | —             | 3  | —  | 3   | —   | —   | 1   | —   | 1   | —   | 6   | —   | 4   | 2   |
|        |                                     | F    | 25        | —             | 2  | 1  | 4   | 2   | —   | 3   | —   | 1   | 1   | 4   | 1   | 2   | 4   |
|        | Septicæmia ...                      | M    | 15        | —             | —  | —  | —   | 5   | 4   | 2   | 1   | 2   | —   | —   | —   | 1   | —   |
| 28-35  |                                     | F    | 4         | —             | —  | —  | 2   | 1   | —   | —   | —   | 1   | —   | —   | —   | —   | —   |
|        | Tuberculosis (all forms) ...        | M    | 14        | 2             | 1  | —  | 2   | 2   | —   | 3   | 1   | 1   | —   | 1   | 1   | —   | —   |
| 47     |                                     | F    | 16        | —             | —  | 1  | —   | 2   | 4   | 4   | 1   | 2   | —   | 1   | —   | 1   | —   |
|        | Rheumatic fever ...                 | M    | 5         | —             | —  | —  | 1   | —   | —   | 1   | 1   | 1   | —   | —   | 1   | —   | —   |
| 50     |                                     | F    | 8         | —             | —  | —  | 1   | 1   | 1   | 1   | —   | 1   | 1   | —   | 1   | 1   | —   |
|        | Diabetes ...                        | M    | 17        | —             | —  | 1  | 1   | —   | 1   | 3   | 1   | 1   | 1   | 4   | 2   | 2   | —   |
| 51     |                                     | F    | 29        | —             | —  | —  | —   | 3   | 3   | 2   | 5   | 1   | 1   | 8   | 2   | 4   | —   |
|        | Exophthalmic goitre ...             | M    | 3         | —             | —  | —  | —   | —   | —   | 1   | 1   | 1   | —   | —   | —   | —   | —   |
| 54     |                                     | F    | 10        | —             | —  | —  | —   | —   | 1   | 2   | —   | —   | 4   | 2   | 1   | —   | —   |
|        | Anæmia, Chlorosis ...               | M    | 5         | —             | —  | 1  | —   | 1   | 1   | —   | —   | —   | —   | 2   | —   | —   | —   |
|        |                                     | F    | 14        | —             | 1  | —  | 2   | 1   | 3   | 1   | —   | 1   | —   | 3   | 1   | 1   | —   |
|        | including—                          |      |           |               |    |    |     |     |     |     |     |     |     |     |     |     |     |
|        | Anæmia ...                          | M    | 2         | —             | —  | —  | —   | —   | 1   | —   | —   | —   | —   | 1   | —   | —   | —   |
|        |                                     | F    | 10        | —             | 1  | —  | 1   | —   | 2   | 1   | —   | 1   | —   | 3   | —   | 1   | —   |
|        | Toxæmia ...                         | M    | 17        | —             | 2  | 1  | 3   | 4   | 2   | 2   | —   | 1   | —   | 1   | 1   | —   | —   |
|        |                                     | F    | 13        | —             | —  | 1  | 2   | —   | 5   | 2   | 2   | —   | 1   | —   | —   | —   | —   |
| 60     | Encephalitis ...                    | M    | 10        | —             | —  | 2  | —   | 2   | —   | 1   | 1   | 1   | 2   | 1   | —   | —   | —   |
|        |                                     | F    | 8         | —             | —  | —  | 1   | 3   | 2   | 1   | —   | —   | 1   | —   | —   | —   | —   |
| 61     | Meningitis ...                      | M    | 188       | 13            | 34 | 33 | 17  | 18  | 10  | 15  | 14  | 7   | 7   | 12  | 6   | 2   | —   |
|        |                                     | F    | 158       | 4             | 19 | 31 | 19  | 26  | 14  | 9   | 10  | 7   | 7   | 4   | 7   | 1   | —   |
|        | including—                          |      |           |               |    |    |     |     |     |     |     |     |     |     |     |     |     |
|        | Cerebral meningitis ...             | M    | 20        | 2             | 3  | 1  | 1   | 4   | 4   | —   | 1   | —   | 1   | 2   | 1   | —   | —   |
|        |                                     | F    | 16        | —             | 5  | 4  | 2   | 1   | —   | —   | 2   | —   | 1   | —   | 1   | —   | —   |
|        | "Meningitis" ...                    | M    | 159       | 11            | 31 | 30 | 16  | 10  | 6   | 15  | 12  | 5   | 6   | 10  | 5   | 2   | —   |
| 63     |                                     | F    | 130       | 4             | 14 | 26 | 16  | 21  | 14  | 8   | 8   | 6   | 5   | 3   | 5   | —   | —   |
|        | Other diseases of the spinal cord.  | M    | 13        | —             | 1  | 3  | —   | —   | 1   | —   | 1   | 1   | 1   | 2   | —   | 1   | 2   |
| 64A    |                                     | F    | 9         | —             | 2  | —  | 1   | —   | —   | —   | 1   | 3   | —   | 2   | —   | —   | —   |
|        | Apoplexy ...                        | M    | 5         | —             | —  | —  | —   | —   | —   | —   | —   | —   | —   | 1   | —   | 4   | —   |
| 64C    |                                     | F    | 11        | —             | —  | —  | —   | —   | —   | —   | 1   | 1   | —   | 2   | —   | 3   | 4   |
|        | Cerebral congestion ...             | M    | 9         | —             | 1  | —  | —   | —   | 1   | —   | 1   | —   | —   | 1   | —   | 4   | 1   |
| 64E    |                                     | F    | 6         | —             | 1  | 1  | —   | 2   | —   | —   | —   | 1   | —   | 1   | —   | —   | —   |
|        | Cerebral hæmorrhage ...             | M    | 15        | —             | —  | —  | —   | —   | 2   | —   | 1   | 1   | 2   | 1   | 3   | 4   | 1   |
| 66A    |                                     | F    | 24        | —             | —  | —  | 1   | —   | —   | —   | 1   | 1   | 1   | 5   | 8   | 4   | 3   |
|        | Hemiplegia ...                      | M    | 16        | —             | —  | —  | 1   | —   | —   | 1   | —   | 1   | —   | 1   | 6   | 5   | 1   |
| 68     |                                     | F    | 10        | —             | —  | —  | —   | 1   | —   | —   | —   | 1   | 1   | 1   | 1   | 4   | 1   |
|        | Other forms of mental alienation.   | M    | 5         | —             | —  | —  | —   | —   | —   | —   | —   | 2   | —   | 1   | —   | 2   | —   |
| 69     |                                     | F    | 7         | —             | —  | —  | —   | 1   | —   | 1   | 1   | —   | —   | 1   | 2   | 1   | —   |
|        | Epilepsy ...                        | M    | 21        | —             | 1  | —  | 3   | 3   | 2   | 3   | 2   | 2   | 3   | 1   | 1   | —   | —   |
| 70, 71 |                                     | F    | 10        | —             | —  | 2  | —   | 1   | 1   | 2   | 2   | —   | 1   | —   | 1   | —   | —   |
|        | Convulsions...                      | M    | 108       | 24            | 48 | 18 | 6   | 5   | 1   | —   | 1   | —   | 2   | 2   | —   | 1   | —   |
|        |                                     | F    | 107       | 20            | 61 | 17 | 4   | 1   | 3   | —   | —   | —   | —   | —   | 1   | —   | —   |
|        | Pericarditis ...                    | M    | 23        | —             | —  | 1  | 1   | 5   | —   | 5   | 7   | 1   | —   | 3   | —   | —   | —   |
| 77     |                                     | F    | 13        | —             | —  | 1  | 1   | 2   | 1   | —   | 5   | —   | 1   | 2   | —   | —   | —   |
|        | Acute myocarditis ...               | M    | 5         | —             | —  | —  | —   | 2   | —   | —   | —   | —   | 2   | —   | 1   | —   | —   |
| 78A    |                                     | F    | 15        | —             | 1  | 2  | 1   | 1   | —   | 2   | 1   | 1   | 1   | 1   | 4   | —   | —   |
|        | Other acute endocarditis ...        | M    | 14        | —             | —  | —  | 1   | 4   | —   | 3   | 2   | 2   | 2   | 1   | 1   | —   | —   |
| 78C    |                                     | F    | 29        | —             | 2  | 1  | 1   | 6   | 4   | 2   | 3   | 2   | 2   | 2   | 4   | —   | —   |
|        | Valvular disease ...                | M    | 201       | —             | —  | 1  | 4   | 12  | 29  | 25  | 29  | 18  | 10  | 29  | 23  | 12  | 4   |
| 79A    |                                     | F    | 228       | —             | —  | 1  | 10  | 10  | 25  | 46  | 33  | 12  | 14  | 27  | 23  | 16  | 11  |
|        | including—                          |      |           |               |    |    |     |     |     |     |     |     |     |     |     |     |     |
|        | Aortic regurgitation ...            | M    | 8         | —             | —  | —  | —   | —   | —   | 2   | 2   | 1   | 2   | —   | 1   | —   | —   |
|        |                                     | F    | 5         | —             | —  | —  | —   | —   | —   | —   | 2   | —   | —   | —   | 3   | —   | —   |
|        | Aortic disease ...                  | M    | 15        | —             | —  | —  | —   | 1   | 2   | 3   | 2   | 1   | 2   | —   | 3   | 1   | —   |
|        |                                     | F    | 6         | —             | —  | —  | 1   | —   | —   | 1   | —   | —   | —   | —   | 2   | —   | 2   |
|        | Mitral regurgitation ...            | M    | 26        | —             | —  | —  | 2   | 2   | 3   | 4   | 2   | 3   | 1   | 4   | 3   | 2   | —   |
|        |                                     | F    | 34        | —             | —  | —  | 3   | 1   | 3   | 8   | 7   | —   | —   | 2   | 5   | 3   | —   |
|        | Mitral stenosis ...                 | M    | 15        | —             | —  | —  | 1   | 4   | 2   | 2   | —   | 1   | 1   | 2   | 2   | —   | —   |
|        |                                     | F    | 23        | —             | —  | —  | 1   | 1   | 3   | 6   | 5   | 3   | 1   | 3   | —   | —   | —   |
|        | Mitral disease ...                  | M    | 42        | —             | —  | —  | —   | 3   | 8   | 6   | 9   | 2   | 1   | 5   | 6   | 1   | 1   |
|        |                                     | F    | 60        | —             | —  | —  | 1   | 4   | 5   | 10  | 8   | 5   | 4   | 9   | 6   | 6   | 2   |
|        | "Valvular" disease ...              | M    | 87        | —             | 1  | 1  | 2   | 13  | 8   | 14  | 9   | 2   | 17  | 9   | 8   | 3   | —   |
|        |                                     | F    | 93        | —             | —  | 1  | 4   | 4   | 13  | 21  | 11  | 4   | 7   | 9   | 7   | 8   | 4   |
| 79B    | Fatty degeneration of the heart.    | M    | 7         | —             | —  | —  | —   | —   | —   | —   | —   | 1   | —   | 3   | 2   | 1   | —   |
| 79C    |                                     | F    | 8         | —             | —  | —  | —   | —   | —   | 1   | 1   | —   | 1   | 2   | 1   | 2   | —   |
|        | Other organic disease of the heart. | M    | 112       | 1             | —  | —  | 4   | 11  | 9   | 13  | 15  | 8   | 8   | 25  | 19  | 22  | 7   |
|        |                                     | F    | 149       | —             | —  | —  | 6   | 6   | 13  | 23  | 18  | 10  | 14  | 13  | 18  | 16  | 12  |
|        | including—                          |      |           |               |    |    |     |     |     |     |     |     |     |     |     |     |     |
|        | Chronic myocarditis ...             | M    | 6         | —             | —  | —  | —   | —   | 1   | —   | —   | —   | —   | 1   | 1   | 3   | —   |
|        |                                     | F    | 5         | —             | —  | —  | —   | —   | —   | —   | —   | —   | 1   | —   | —   | 2   | 2   |
|        | Myocardial degeneration             | M    | 14        | —             | —  | —  | —   | 1   | —   | —   | —   | —   | —   | 4   | 3   | 4   | 2   |
|        |                                     | F    | 11        | —             | —  | —  | —   | —   | —   | —   | —   | 1   | —   | 3   | 3   | 1   | 3   |
|        | Dilatation of heart ...             | M    | 42        | —             | —  | —  | 2   | 3   | 1   | 2   | 4   | 4   | 3   | 10  | 8   | 3   | 2   |
|        |                                     | F    | 22        | —             | —  | —  | 2   | 2   | —   | 1   | 1   | 1   | 3   | 3   | 3   | 4   | 2   |
|        | Heart disease ...                   | M    | 76        | 1             | —  | —  | 2   | 7   | 7   | 11  | 10  | 4   | 4   | 10  | 7   | 9   | 3   |
|        |                                     | F    | 108       | —             | —  | —  | 4   | 4   | 13  | 22  | 17  | 7   | 10  | 7   | 12  | 8   | 4   |
| 77-80  | Heart disease (all forms)           | M    | 396       | 1             | —  | 2  | 10  | 34  | 39  | 46  | 54  | 30  | 21  | 61  | 51  | 36  | 11  |
|        |                                     | F    | 447       | —             | 3  | 5  | 20  | 25  | 43  | 74  | 62  | 25  | 33  | 49  | 51  | 34  | 23  |
| 81B    | Arterial sclerosis ...              | M    | 8         | —             | —  | —  | —   | —   | —   | —   | —   | —   | —   | 1   | 4   | 1   | —   |
|        |                                     | F    | 9         | —             | —  | —  | —   | —   | —   | —   | —   | —   | —   | 1   | 2   | 3   | 2   |
| 82A    | Cerebral embolism and thrombosis.   | M    | 12        | —             | —  | —  | 1   | 1   | 1   | —   | 2   | —   | 3   | 2   | 1   | 1   | —   |
|        |                                     | F    | 10        | 1             | —  | —  | —   | —   | 1   | 1   | 1   | —   | 1   | —   | 1   | 3   | 1   |
|        | including—                          |      |           |               |    |    |     |     |     |     |     |     |     |     |     |     |     |
|        | Cerebral embolism ...               | M    | 8         | —             | —  | —  | 1   | 1   | 1   | —   | 2   | —   | 1   | —   | 1   | 1   | —   |
| 87B    |                                     | F    | 6         | —             | —  | —  | —   | —   | 1   | 1   | —   | —   | 1   | —   | —   | —   | —   |
|        | Laryngitis ...                      | M    | 7         | —             | 1  | 5  | 1   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|        |                                     | F    | 17        | —             | 2  | 4  | 1   | 3   | 1   | 2   | 4   | —   | —   | —   | —   | —   | —   |



TABLE XXV.—CAUSES ASSOCIATED with INFLUENZA : Civilian and non-Civilian deaths ;  
23rd June–30th September, 1918—*continued.*

| No.     | —  | Sex. | All Ages. | Under 1 Year. | 1—  | 5—  | 10— | 15— | 20— | 25— | 30— | 35— | 40— | 45— | 55— | 65— | 75— |
|---------|--|------|-----------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 89, 90  | Bronchitis ...                             | M    | 626       | 13            | 24  | 10  | 10  | 17  | 20  | 34  | 36  | 30  | 39  | 114 | 123 | 117 | 39  |
|         |  | F    | 562       | 13            | 18  | 10  | 4   | 14  | 22  | 55  | 26  | 33  | 35  | 98  | 90  | 101 | 43  |
|         | including—                                 |      |           |               |     |     |     |     |     |     |     |     |     |     |     |     |     |
|         | Bronchiectasis ...                         | M    | 11        | —             | —   | —   | 1   | 3   | 1   | 2   | 1   | —   | 1   | 1   | —   | 1   | —   |
|         |  | F    | 6         | —             | —   | —   | —   | —   | 1   | 2   | —   | 1   | —   | 1   | 1   | —   | —   |
|         | Capillary bronchitis ...                   | M    | 28        | 1             | 5   | 3   | —   | 2   | —   | 3   | 2   | 1   | —   | 3   | 3   | 4   | 1   |
|         |  | F    | 19        | —             | 1   | 2   | 1   | 1   | —   | 3   | 3   | —   | 2   | 3   | 2   | —   | 1   |
|         | Other forms of bronchitis                  | M    | 587       | 12            | 19  | 7   | 9   | 12  | 19  | 29  | 33  | 29  | 38  | 110 | 120 | 112 | 38  |
|         |  | F    | 537       | 13            | 17  | 8   | 3   | 13  | 21  | 50  | 23  | 32  | 33  | 94  | 87  | 101 | 42  |
| 91      | Broncho-pneumonia ...                      | M    | 806       | 20            | 102 | 44  | 30  | 55  | 75  | 78  | 72  | 59  | 43  | 97  | 60  | 55  | 16  |
|         |  | F    | 719       | 19            | 81  | 52  | 40  | 52  | 58  | 70  | 56  | 45  | 50  | 86  | 52  | 43  | 15  |
| 92A     | Lobar pneumonia ...                        | M    | 696       | —             | 5   | 15  | 29  | 83  | 78  | 109 | 108 | 54  | 47  | 92  | 52  | 18  | 6   |
|         |  | F    | 569       | —             | 8   | 15  | 23  | 66  | 82  | 96  | 88  | 58  | 38  | 48  | 31  | 12  | 4   |
|         | including—                                 |      |           |               |     |     |     |     |     |     |     |     |     |     |     |     |     |
|         | Double pneumonia ...                       | M    | 102       | —             | 3   | 4   | 5   | 18  | 6   | 15  | 14  | 7   | 9   | 9   | 7   | 3   | 2   |
|         |  | F    | 94        | —             | 2   | 6   | 11  | 8   | 11  | 23  | 16  | 7   | 3   | 3   | 1   | 3   | —   |
|         | Other forms of lobar pneumonia.            | M    | 594       | —             | 2   | 11  | 24  | 65  | 72  | 94  | 94  | 47  | 38  | 83  | 45  | 15  | 4   |
|         |  | F    | 475       | —             | 6   | 9   | 12  | 58  | 71  | 73  | 72  | 51  | 35  | 45  | 30  | 9   | 4   |
| 92B     | Pneumonia (type not stated)                | M    | 1,974     | 8             | 49  | 62  | 64  | 200 | 161 | 246 | 243 | 183 | 172 | 294 | 182 | 93  | 17  |
|         |  | F    | 1,770     | 8             | 47  | 62  | 90  | 192 | 241 | 282 | 218 | 154 | 114 | 180 | 104 | 53  | 25  |
|         | including—                                 |      |           |               |     |     |     |     |     |     |     |     |     |     |     |     |     |
|         | Septic pneumonia ...                       | M    | 9         | —             | —   | —   | 1   | 2   | 1   | 1   | 1   | 2   | —   | 1   | —   | —   | —   |
|         |  | F    | 3         | —             | —   | 2   | —   | —   | 1   | —   | —   | —   | —   | —   | —   | —   | —   |
|         | "Pneumonia" ...                            | M    | 1,965     | 8             | 49  | 62  | 63  | 198 | 160 | 245 | 242 | 181 | 172 | 293 | 182 | 93  | 17  |
|         |  | F    | 1,767     | 8             | 47  | 60  | 90  | 192 | 240 | 282 | 218 | 154 | 114 | 180 | 104 | 53  | 25  |
| 93A     | Empyema ...                                | M    | 30        | —             | 1   | 1   | —   | 14  | 4   | 6   | —   | —   | 1   | 1   | 1   | 1   | —   |
|         |  | F    | 8         | —             | 2   | —   | 1   | 2   | 1   | 1   | —   | —   | —   | —   | —   | —   | —   |
| 93B     | Other pleurisy ...                         | M    | 91        | —             | —   | 3   | —   | 6   | 7   | 10  | 10  | 7   | 12  | 14  | 12  | 9   | 1   |
|         |  | F    | 62        | —             | —   | 1   | —   | 2   | 7   | 11  | 8   | 5   | 5   | 12  | 5   | 4   | 2   |
| 94B     | Pulmonary oedema and congestion.           | M    | 81        | 1             | 3   | 1   | 7   | 3   | 6   | 5   | 8   | 7   | 5   | 13  | 13  | 7   | 2   |
|         |  | F    | 99        | —             | 4   | 3   | 2   | 4   | 5   | 9   | 11  | 12  | 7   | 10  | 13  | 11  | 8   |
|         | including—                                 |      |           |               |     |     |     |     |     |     |     |     |     |     |     |     |     |
|         | Pulmonary oedema ...                       | M    | 7         | —             | —   | —   | 1   | —   | —   | 1   | —   | —   | 2   | 2   | 1   | —   | —   |
|         |  | F    | 7         | —             | —   | —   | —   | —   | —   | —   | 3   | —   | 2   | 1   | —   | 1   | —   |
|         | Pulmonary congestion ...                   | M    | 74        | 1             | 3   | 1   | 6   | 3   | 6   | 4   | 8   | 7   | 3   | 11  | 12  | 7   | 2   |
|         |  | F    | 92        | —             | 4   | 3   | 2   | 4   | 5   | 9   | 8   | 12  | 5   | 9   | 13  | 10  | 8   |
| 94C     | Hypostatic pneumonia ...                   | M    | 6         | —             | —   | —   | —   | —   | 1   | —   | —   | —   | —   | —   | 1   | 4   | —   |
|         |  | F    | 6         | —             | —   | —   | —   | —   | —   | 1   | —   | —   | —   | —   | 1   | 3   | 1   |
| 96      | Asthma ...                                 | M    | 60        | —             | —   | —   | —   | 1   | 4   | 4   | 8   | 4   | 6   | 14  | 11  | 8   | —   |
|         |  | F    | 33        | —             | 1   | 1   | —   | 1   | 1   | 4   | 4   | 1   | 6   | 8   | 4   | 1   | 1   |
| 97      | Pulmonary emphysema ...                    | M    | 13        | —             | —   | 1   | 1   | —   | —   | —   | 2   | —   | 2   | 1   | 5   | 1   | —   |
|         |  | F    | 6         | —             | —   | —   | —   | —   | 1   | —   | —   | 2   | 1   | —   | 1   | 1   | —   |
| 98B     | Other diseases of the respiratory system.  | M    | 16        | —             | 1   | —   | —   | 1   | 2   | 3   | 2   | —   | 3   | 3   | 1   | —   | —   |
|         |  | F    | 12        | —             | —   | —   | 1   | 1   | 2   | 4   | —   | 2   | —   | 1   | 1   | —   | —   |
|         | including—                                 |      |           |               |     |     |     |     |     |     |     |     |     |     |     |     |     |
|         | Hæmoptysis ...                             | M    | 10        | —             | 1   | —   | —   | —   | 1   | 2   | 1   | —   | 1   | 3   | 1   | —   | —   |
|         |  | F    | 9         | —             | —   | —   | —   | 1   | 1   | 3   | —   | 1   | —   | 1   | —   | —   | —   |
| 86-98   | Respiratory diseases (all forms).          | M    | 4,413     | 43            | 186 | 142 | 142 | 381 | 358 | 496 | 490 | 345 | 331 | 644 | 461 | 313 | 81  |
|         |  | F    | 3,868     | 40            | 163 | 148 | 162 | 339 | 421 | 535 | 417 | 313 | 257 | 443 | 302 | 229 | 99  |
| 103A    | Inflammation of stomach...                 | M    | 26        | 2             | 2   | 4   | 1   | —   | 2   | 1   | 1   | —   | 1   | 5   | 2   | 4   | 1   |
|         |  | F    | 27        | —             | 3   | 1   | 2   | 2   | 1   | 4   | —   | —   | 1   | 1   | 4   | 6   | 2   |
| 103B    | Other diseases of the stomach.             | M    | 6         | —             | 1   | —   | —   | —   | —   | 1   | —   | —   | —   | 3   | —   | —   | 1   |
|         |  | F    | 9         | 1             | —   | 1   | 1   | 1   | 1   | 1   | 1   | —   | 1   | —   | 1   | —   | —   |
| 104 } B | Diarrhoea—Not returned as                  | M    | 41        | 2             | 5   | —   | 4   | 4   | —   | 2   | 1   | —   | 4   | 3   | 7   | 5   | 4   |
| 105 }   | infective.                                 | F    | 36        | 2             | 4   | 3   | 4   | 4   | 2   | 2   | 2   | 1   | 1   | 2   | 2   | 3   | 4   |
| 104 } C | Enteritis—Not returned as                  | M    | 25        | 1             | 3   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 1   | —   | 2   | 2   | 2   |
| 105 }   | infective.                                 | F    | 13        | —             | 1   | —   | 2   | —   | —   | 1   | —   | 2   | 2   | 1   | 4   | —   | —   |
| 104 } D | Gastro-enteritis—Not re-                   | M    | 23        | 5             | 4   | —   | —   | 1   | 3   | —   | —   | —   | 2   | 2   | 3   | 2   | 1   |
| 105 }   | turned as infective.                       | F    | 34        | 1             | 6   | 2   | 3   | 4   | 2   | 1   | 1   | 3   | 1   | 4   | 1   | 3   | 2   |
|         |  | M    | 17        | —             | 2   | —   | 1   | —   | 3   | —   | 1   | —   | 2   | 3   | 3   | 1   | 1   |
| 115     | Other diseases of the liver                | F    | 11        | —             | 1   | 1   | —   | —   | 1   | 1   | 1   | —   | 1   | 1   | 2   | —   | 2   |
| 117     | Peritonitis ...                            | M    | 13        | —             | —   | —   | 1   | 4   | 1   | 1   | —   | —   | 2   | 1   | —   | 1   | 1   |
|         |  | F    | 5         | —             | —   | 1   | 1   | —   | —   | —   | —   | 2   | —   | 1   | —   | —   | —   |
| 119     | Acute nephritis ...                        | M    | 17        | —             | 2   | —   | 3   | 2   | —   | 1   | 3   | 1   | —   | 3   | 1   | 1   | —   |
|         |  | F    | 12        | —             | 1   | —   | —   | 1   | 1   | 3   | 2   | 1   | 1   | 2   | 1   | —   | —   |
| 120     | Bright's disease ...                       | M    | 46        | —             | —   | —   | 1   | 2   | 7   | 4   | 1   | 1   | 2   | 9   | 4   | 10  | 5   |
|         |  | F    | 36        | —             | —   | —   | —   | 2   | 3   | 6   | 3   | 2   | 5   | 6   | 6   | 2   | 1   |
|         | including—                                 |      |           |               |     |     |     |     |     |     |     |     |     |     |     |     |     |
|         | Bright's disease ...                       | M    | 5         | —             | —   | —   | —   | —   | 1   | —   | —   | —   | —   | 2   | 1   | 1   | —   |
|         |  | F    | 6         | —             | —   | —   | —   | —   | —   | —   | —   | —   | 1   | 2   | 2   | 1   | —   |
|         | Chronic nephritis ...                      | M    | 12        | —             | —   | —   | —   | 1   | —   | 1   | 1   | —   | 1   | 2   | 1   | 3   | 2   |
|         |  | F    | 8         | —             | —   | —   | —   | —   | 2   | 1   | —   | —   | 1   | 2   | 1   | 1   | —   |
|         | "Nephritis" ...                            | M    | 17        | —             | —   | —   | 1   | —   | 4   | 2   | —   | —   | 1   | 3   | 1   | 4   | 1   |
|         |  | F    | 13        | —             | —   | —   | —   | 1   | 1   | 2   | 3   | 1   | 2   | 2   | 1   | —   | —   |
|         | Uræmia ...                                 | M    | 6         | —             | —   | —   | —   | —   | 2   | 1   | —   | 1   | —   | 1   | —   | 1   | —   |
|         |  | F    | 5         | —             | —   | —   | —   | 1   | —   | 2   | —   | 1   | —   | —   | —   | —   | 1   |
|         | Other forms of Bright's disease.           | M    | 6         | —             | —   | —   | —   | 1   | —   | —   | —   | —   | —   | 1   | 1   | 1   | 2   |
|         |  | F    | 4         | —             | —   | —   | —   | —   | —   | 1   | —   | —   | 1   | —   | 2   | —   | —   |
| 134A    | Abortion ...                               | M    | —         | —             | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|         |  | F    | 84        | —             | —   | —   | —   | —   | 22  | 29  | 16  | 8   | 8   | 1   | —   | —   | —   |
| 136     | Other accidents of child-birth.            | M    | —         | —             | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|         |  | F    | 79        | —             | —   | —   | —   | 5   | 16  | 21  | 18  | 9   | 9   | 1   | —   | —   | —   |
| 134-141 | All accidents of pregnancy and childbirth. | M    | —         | —             | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|         |  | F    | 177       | —             | —   | —   | —   | 6   | 44  | 52  | 35  | 18  | 20  | 2   | —   | —   | —   |
| 150C    | Congenital malformation of heart.          | M    | 4         | —             | —   | —   | 2   | —   | 1   | —   | —   | 1   | —   | —   | —   | —   | —   |
|         |  | F    | 8         | 2             | 1   | 1   | 1   | 2   | 1   | —   | —   | —   | —   | —   | —   | —   | —   |
| 189D    | Pyrexia ...                                | M    | 28        | 1             | 3   | 1   | 2   | 2   | 5   | 5   | 4   | 1   | 1   | 1   | 2   | —   | —   |
|         |  | F    | 33        | 1             | 3   | 1   | 3   | 6   | 7   | 3   | 1   | 1   | 2   | 2   | 3   | —   | —   |
|         |  | M    | 25        | 2             | 1   | —   | 2   | 6   | —   | 1   | —   | 1   | 1   | 5   | 3   | 3   | —   |
| 189E    | Other ill-defined causes ...               | F    | 18        | 1             | 1   | 4   | 1   | —   | 2   | —   | —   | 1   | 1   | 2   | 2   | 2   | 1   |

*Contributory causes.*—9C. Group 3, 3, 10. 18. Erysipelas 40, 45, 65. 19A. Mumps 5, 25. 20A. Pyæmia 20, 45, 20. 28A. Pulmonary tuberculosis 15, 25, 50, 15, 15, 30, 65. 28B. Phthisis (not defined as tuberculous) 25, 60, 20, 20, 25, 35. 29A. Acute phthisis 35, 25, 25. 29B. Acute miliary tuberculosis 10, 25, 5, 45. 30. Tuberculous meningitis 0, 0, 1, 10, 30, 20, 35. 31B. Tuberculous peritonitis 20. 35. Disseminated tuberculosis 15, 25. 36A. Rickets 1. 36B. Other forms of bone softening 20, 15, 35. 48A. Chronic rheumatism 50, 55, 10, 30, 75. 48B. Osteo-arthritis 45, 55, 55, 65. 52. Addison's disease 70. 53A. Leucocythæmia (leucæmia) 1, 30. 53B. Lymphadenoma 40. (54). Pernicious anæmia 5, 50, 60; splenic anæmia 15, 10; chlorosis 15, 20. 55B. Purpura 2. 55C. Hæmophilia 25, 20. 56. Alcoholism 50. (60). Brain fever 20; cerebral abscess 30, 15, 25; cerebritis 5, 15, 25, 40, 15, 15; encephalitis 5, 15, 35, 40, 45, 10, 40; epidemic encephalitis 20. (61). Basal meningitis 5, 15, 5, 15, 25, 40, 55, 70; cerebral pachymeningitis 35; cerebro-spinal meningitis 15, 15, 35; spinal meningitis 15, 15; pneumococcal meningitis 5, 35, 15, 50; septic meningitis 15; purulent meningitis 10; meningoencephalitis 30. 62. Locomotor ataxy 25, 45, 45, 45, 45, 50, 50, 45. (63). Poliomyelitis 4, 2, 2, 10; Polioencephalitis 5, 55. 64B. Serous apoplexy and oedema of brain 30, 35, 45, 2, 80; 64D. Cerebral atheroma 40. 65. Softening of brain 30, 60. 66B. Paraplegia 20, 20, 50, 30, 60. 66C. Other forms of paralysis 3, 30, 55, 70, 20, 25. 67. General paralysis of the insane 35, 35. 72. Chorea 0. 73B. Neuritis 20, 50, 45, 55. 74A. Idiocy, Imbecility 20, 25, 25, 25, 50. 74B. Cretinism 30. 74D. Other diseases of the nervous system 20, 20, 25, 5, 25, 45. 76A. Mastoid disease 15, 60. 76B. Other diseases of the ears 15, 25, 15, 20, 25, 60. 78B. Infective endocarditis 20, 30, 40, 65, 10, 30, 45, 55. (79A). Aortic stenosis 40, 55, 60, 60, 55, 60, 65; tricuspid disease 50; chronic endocarditis 20, 35, 45, 60, 20, 70, 80. (79C). Others under 79C—30, 40, 65. 65, 70, 35, 70, 80. 80. Angina pectoris 45. (82A) Cerebral thrombosis 40, 40, 45, 50, 0, 70, 70, 75. 82B. Other embolism and thrombosis—pulmonary embolism 20, 25, 45, 25, 25, 25, 40, 45; other embolism and thrombosis 25, 75, 20, 30. 83A. Phlebitis 45, 45. 84A. Status lymphaticus 4, 30. 84B. Other diseases of the lymphatic system 50, 0. 85A. Functional disease of the heart 35, 50, 60, 80, 20. 85B. Epistaxis 20, 5, 10, 65. 85C. Hæmorrhage 30, 30. 86. Rhinitis 15. 87C. Obstruction of larynx 30. 88. Diseases of the thyroid body—goitre 35, 45; myxœdema 35, 55, 65. 94D. Collapse of lung 0. 95. Gangrene of the lung 15, 25, 50, 15, 35, 40. 98A. Fibroid disease of lung 30, 40. (98B). Abscess of lung 15, 20, 25, 30, 40, 40, 25; others under 98B—20, 35. 99A. Diseases of the teeth and gums 5, 5, 30, 35, 55. 100A. Tonsillitis 3, 4, 5, 5, 45, 25, 25. 100C. Other diseases of the pharynx 4, 30, 0, 15. 102. Perforating ulcer of stomach 45, 40, 50. 104 and 105A. Infective enteritis 0, 1, 15, 35, 10, 50. 104 and 105G. Ulceration of intestines 20. 108. Appendicitis 5, 10, 10, 15, 30, 5, 15, 50. 110. Other diseases of the intestines 75, 80, 60. 111. Acute yellow atrophy of liver 10. 113A. Cirrhosis of the liver (not returned as alcoholic) 60. 113B. Cirrhosis of the liver (returned as alcoholic) 50. 114. Biliary calculi 35, 75. 116B. Tumour of the spleen 30. 122C. Suppression of urine 10, 55, 45. 122D. Other diseases of the kidney 15, 45, 55, 70, 20. 123. Calculi of the urinary passages 60, 45. 124. Diseases of the bladder 30, 55, 65, 70, 70, 70, 75, 75. 126. Diseases of the prostate 70, 70, 70, 75. 127. Tumour of the testicle 60. 128B. Other uterine hæmorrhage 35. 129. Uterine tumour (non-cancerous) 25. 130A. Disorders of menstruation (except menorrhagia) 45. 134E. Other accidents of pregnancy 15, 20, 20, 20, 25, 25, 40. 135. Puerperal hæmorrhage 30, 40, 40. 138C. Puerperal convulsions 20, 20, 20. 139B. Puerperal embolism 35. 142A. Senile gangrene 75, 75. 142B. Noma, Gangrene of mouth, 4, 55. 142D. Other gangrene 45, 55. 143. Carbuncle, Boil 70. 144A. Phlegmon 15, 60. 145A. Ulcer, Bedsore 50, 55, 65, 70. 145D. Other diseases of the integumentary system 70. 146. Diseases of the bones 5, 20, 70, 1, 20, 35. 149. Other diseases of the locomotor system 30, 30. 150D. Congenital malformation 20. 154A. Senile dementia 70, 60, 80. 168. Absorption of deleterious gases (conflagration excepted) 5. 172. Injury by fall 25, 50. 173. Injury in mines and quarries 20, 30, 40, 45. 185. Fractures (cause not specified) 40. 186. Other violence 20, 20, 25, 35, 35. 187. Dropsy 30, 50, 80, 15, 45, 45, 55. 189C. Teething 0, 0, 1. 189F. Operation 10, 15, 30, 45, 55, 40; laparotomy 15.

TABLE B. See page 31.

[illegible]



TABLE XXVI.—CAUSES ASSOCIATED with INFLUENZA : Civilian and Non-Civilian deaths ;  
4th Quarter, 1918—*continued*.

| No.   | —   | Sex. | All Ages. | Under 1 Year. | 1—  | 5—  | 10— | 15— | 20— | 25— | 30— | 35— | 40— | 45— | 55— | 65— | 75— |
|-------|---|------|-----------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 7     | Scarlet fever ...                                 | M    | 7         | —             | 2   | 2   | 1   | 1   | —   | —   | —   | —   | —   | 1   | —   | —   | —   |
|       |   | F    | 9         | —             | 2   | 5   | 1   | 1   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
| 8     | Whooping cough ...                                | M    | 49        | 8             | 34  | 5   | 1   | —   | —   | —   | 1   | —   | —   | —   | —   | —   | —   |
|       |   | F    | 70        | 9             | 50  | 10  | 1   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
| 9A    | Diphtheria ...                                    | M    | 12        | —             | 6   | 2   | 2   | —   | 1   | —   | —   | —   | —   | —   | —   | 1   | —   |
|       |   | F    | 9         | —             | 1   | 5   | —   | 1   | 1   | 1   | —   | —   | —   | —   | —   | —   | —   |
| 9C    | Croup ...   | M    | 11        | 1             | 7   | 3   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|       |   | F    | 8         | —             | 6   | 2   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
| 19A   | Mumps ...   | M    | 5         | —             | 1   | 1   | —   | 1   | —   | 1   | —   | —   | 2   | —   | —   | —   | —   |
|       |   | F    | 8         | —             | 1   | 2   | —   | —   | 1   | 1   | 2   | —   | —   | —   | —   | —   | 1   |
| 20A   | Pyæmia ...  | M    | 5         | —             | —   | 2   | —   | 2   | —   | —   | —   | —   | —   | 1   | —   | —   | —   |
|       |   | F    | 8         | —             | 2   | 1   | —   | —   | —   | 1   | —   | 1   | —   | 2   | 1   | —   | —   |
| 20B   | Septicæmia ...                                    | M    | 73        | —             | 4   | 4   | 6   | 5   | 8   | 20  | 7   | 8   | 1   | 6   | 2   | 2   | —   |
|       |   | F    | 70        | —             | 3   | 2   | 5   | 7   | 16  | 12  | 10  | 5   | 3   | 4   | 1   | 2   | —   |
| 28A   | Pulmonary tuberculosis ...                        | M    | 651       | —             | 7   | 13  | 33  | 56  | 77  | 118 | 103 | 67  | 55  | 74  | 37  | 10  | 1   |
|       |   | F    | 532       | 1             | 9   | 9   | 46  | 58  | 73  | 101 | 70  | 44  | 41  | 38  | 31  | 10  | 1   |
| 28B   | Phthisis (not defined as tuberculous).            | M    | 202       | —             | —   | —   | 5   | 17  | 27  | 43  | 32  | 25  | 20  | 25  | 6   | 2   | —   |
|       |   | F    | 170       | —             | —   | 2   | 6   | 19  | 43  | 27  | 26  | 21  | 12  | 10  | 2   | 2   | —   |
| 29A   | Acute phthisis ...                                | M    | 30        | —             | —   | —   | 2   | 3   | 1   | 5   | 7   | 3   | 5   | 2   | 1   | 1   | —   |
|       |   | F    | 34        | —             | 1   | 2   | 2   | 1   | 9   | 8   | 4   | 5   | 1   | 1   | —   | —   | —   |
| 29B   | Acute miliary tuberculosis                        | M    | 9         | —             | 2   | —   | —   | 3   | 2   | 1   | —   | —   | 1   | —   | —   | —   | —   |
|       |   | F    | 8         | —             | —   | —   | —   | —   | 2   | 2   | 2   | —   | 1   | 1   | —   | —   | —   |
| 30    | Tuberculous meningitis ...                        | M    | 22        | —             | 5   | 5   | 3   | 2   | 1   | 4   | 2   | —   | —   | —   | —   | —   | —   |
|       |   | F    | 15        | 1             | 3   | 2   | 5   | 2   | —   | 2   | —   | —   | —   | —   | —   | —   | —   |
| 31B   | Other peritoneal and intestinal tubercle.         | M    | 12        | —             | 6   | 1   | 1   | 1   | —   | —   | 2   | —   | 1   | —   | —   | —   | —   |
|       |   | F    | 8         | —             | 5   | —   | —   | —   | 1   | 1   | —   | —   | 1   | —   | —   | —   | —   |
| 32    | Tuberculosis of spinal column.                    | M    | 31        | —             | 1   | 5   | 6   | 7   | 3   | 4   | 3   | —   | —   | 1   | —   | —   | —   |
|       |   | F    | 36        | —             | 1   | 2   | 7   | 8   | 10  | 6   | 1   | 1   | —   | —   | —   | —   | —   |
| 33    | Tuberculosis of joints ...                        | M    | 8         | —             | —   | 1   | 2   | 2   | 1   | —   | —   | 1   | —   | —   | 1   | —   | —   |
|       |   | F    | 9         | —             | —   | —   | 2   | 1   | —   | 3   | 1   | 1   | —   | —   | 1   | —   | —   |
| 34C   | Other tuberculosis included under 34.             | M    | 9         | 1             | —   | —   | —   | 2   | 2   | —   | 1   | 2   | —   | 1   | —   | —   | —   |
|       |   | F    | 7         | —             | —   | 1   | 1   | 1   | —   | 1   | —   | 1   | —   | 1   | —   | 1   | —   |
| 35    | Disseminated tuberculosis                         | M    | 16        | —             | 3   | 3   | —   | 2   | 1   | 2   | 2   | 3   | —   | —   | —   | —   | —   |
|       |   | F    | 8         | —             | 1   | 2   | 2   | —   | 1   | 2   | —   | —   | —   | —   | —   | —   | —   |
| 28-35 | Tuberculosis (all forms) ...                      | M    | 991       | 1             | 24  | 28  | 53  | 95  | 115 | 177 | 152 | 101 | 83  | 103 | 45  | 13  | 1   |
|       |   | F    | 828       | 2             | 20  | 20  | 71  | 90  | 139 | 153 | 105 | 73  | 56  | 51  | 34  | 13  | 1   |
| 36A   | Ricketts ...                                      | M    | 14        | 2             | 10  | —   | —   | —   | 2   | —   | —   | —   | —   | —   | —   | —   | —   |
|       |   | F    | 11        | 1             | 8   | 2   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
| 36B   | Other forms of bone softening.                    | M    | 3         | —             | —   | —   | 1   | 1   | —   | 1   | —   | —   | —   | —   | —   | —   | —   |
|       |   | F    | 8         | —             | —   | —   | 1   | 1   | 2   | 1   | 2   | 1   | —   | —   | —   | —   | —   |
| 37    | Syphilis ...                                      | M    | 6         | 1             | 1   | —   | —   | —   | —   | 1   | 1   | —   | 1   | —   | 1   | —   | —   |
|       |   | F    | 7         | —             | 1   | 1   | —   | —   | 2   | 3   | —   | —   | —   | —   | —   | —   | —   |
| 40    | Cancer of the stomach, liver, &c.                 | M    | 5         | —             | —   | —   | —   | —   | —   | —   | 1   | —   | —   | 3   | —   | 1   | —   |
|       |   | F    | 8         | —             | —   | —   | —   | —   | —   | —   | —   | 2   | —   | 3   | 1   | 1   | —   |
| 41    | Cancer of the peritoneum, intestines, and rectum. | M    | 4         | —             | —   | —   | —   | —   | —   | —   | —   | —   | —   | 1   | —   | 3   | —   |
|       |   | F    | 7         | —             | —   | —   | —   | —   | —   | —   | —   | —   | —   | 4   | 3   | —   | —   |
| 43    | Cancer of the breast ...                          | M    | —         | —             | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|       |   | F    | 15        | —             | —   | —   | —   | —   | —   | —   | —   | 1   | 1   | 9   | 3   | —   | 1   |
| 39-45 | Cancer (all forms)...                             | M    | 14        | —             | —   | —   | —   | —   | —   | 1   | 1   | —   | —   | 6   | —   | 5   | —   |
|       |   | F    | 39        | —             | —   | —   | —   | —   | —   | —   | 1   | 4   | 2   | 18  | 9   | 3   | 2   |
| 47    | Rheumatic fever ...                               | M    | 26        | —             | —   | 4   | 4   | 4   | 1   | 5   | 2   | 1   | 2   | 1   | —   | 1   | —   |
|       |   | F    | 46        | 1             | 1   | —   | 5   | 1   | 2   | 14  | 2   | 7   | 5   | 5   | 2   | 1   | —   |
| 48A   | Chronic rheumatism ...                            | M    | 6         | —             | —   | —   | —   | —   | —   | 1   | 1   | —   | —   | —   | 1   | 3   | —   |
|       |   | F    | 9         | —             | —   | —   | —   | —   | —   | 1   | —   | 1   | —   | 1   | 2   | 3   | —   |
| 48B   | Osteo-arthritis ...                               | M    | 8         | —             | —   | —   | —   | —   | —   | 1   | —   | —   | 1   | 1   | 1   | 3   | —   |
|       |   | F    | 33        | —             | —   | —   | —   | —   | —   | —   | 3   | 4   | 2   | 9   | 9   | 5   | 1   |
| 50    | Diabetes ...                                      | M    | 65        | —             | 1   | 1   | 3   | 7   | 5   | 3   | 11  | 8   | 4   | 10  | 5   | 7   | —   |
|       |   | F    | 57        | —             | 1   | —   | 1   | 5   | 7   | 1   | 10  | 10  | 2   | 6   | 8   | 5   | 1   |
| 51    | Exophthalmic goitre ...                           | M    | 8         | —             | —   | —   | —   | 1   | 1   | 2   | —   | —   | 1   | 2   | 1   | —   | —   |
|       |   | F    | 50        | —             | —   | —   | —   | 5   | 3   | 11  | 10  | 7   | 5   | 7   | —   | 2   | —   |
| 53A   | Leucocythæmia (Leuchæmia).                        | M    | 6         | —             | —   | —   | 1   | 1   | —   | —   | —   | —   | 3   | —   | 1   | —   | —   |
|       |   | F    | 5         | —             | —   | —   | —   | 2   | —   | 1   | —   | 1   | —   | 1   | —   | —   | —   |
| 54    | Anæmia, Chlorosis including—                      | M    | 24        | —             | 2   | —   | —   | —   | 2   | 1   | 3   | 3   | 3   | 8   | 1   | —   | 1   |
|       |   | F    | 67        | —             | 1   | 1   | 1   | 4   | 9   | 12  | 9   | 11  | 9   | 8   | 2   | —   | —   |
|       | Pernicious anæmia ...                             | M    | 18        | —             | 1   | —   | —   | —   | 1   | —   | 2   | 2   | 3   | 8   | 1   | —   | —   |
|       |   | F    | 19        | —             | —   | —   | —   | 1   | 2   | 2   | 3   | 3   | 3   | 4   | —   | —   | —   |
|       | Anæmia ...  | M    | 6         | —             | 1   | —   | —   | —   | 1   | 1   | 1   | 1   | —   | —   | —   | —   | 1   |
|       |   | F    | 41        | —             | 1   | 1   | 1   | 3   | 7   | 9   | 4   | 6   | 5   | 4   | —   | —   | —   |
| 55B   | Purpura ...                                       | M    | 3         | —             | 1   | —   | —   | 1   | —   | —   | —   | —   | —   | —   | 1   | —   | —   |
|       |   | F    | 8         | 1             | 2   | 1   | —   | —   | 1   | 1   | —   | —   | 1   | —   | 1   | —   | —   |
|       | Toxæmia ...                                       | M    | 363       | —             | 17  | 20  | 11  | 52  | 51  | 73  | 60  | 31  | 17  | 20  | 7   | 3   | 1   |
|       |   | F    | 230       | 4             | 17  | 18  | 9   | 22  | 35  | 48  | 34  | 8   | 6   | 14  | 9   | 6   | —   |
| 56    | Alcoholism ...                                    | M    | 17        | —             | —   | —   | —   | —   | —   | 1   | 4   | 3   | 1   | 5   | 1   | 2   | —   |
|       |   | F    | —         | —             | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
| 60    | Encephalitis ...                                  | M    | 34        | —             | 4   | 4   | —   | 5   | 3   | 7   | 2   | 3   | 3   | 3   | —   | —   | —   |
|       |   | F    | 28        | —             | 2   | 3   | 3   | 2   | 4   | 4   | 2   | 2   | 3   | 2   | 1   | —   | —   |
|       | including—  | M    | 6         | —             | 1   | —   | —   | 1   | 1   | 2   | —   | —   | 1   | —   | —   | —   | —   |
|       | Cerebritis ...                                    | F    | 5         | —             | —   | 1   | —   | —   | 1   | 1   | —   | 1   | —   | 1   | —   | —   | —   |
|       | Encephalitis ...                                  | M    | 22        | —             | 3   | 3   | —   | 2   | 1   | 3   | 2   | 3   | 2   | 3   | —   | —   | —   |
|       |   | F    | 18        | —             | 2   | 2   | —   | 1   | 3   | 3   | 2   | 3   | 1   | 1   | —   | —   | —   |
| 61    | Meningitis ...                                    | M    | 774       | 38            | 203 | 133 | 69  | 79  | 33  | 69  | 49  | 28  | 19  | 33  | 16  | 4   | 1   |
|       |   | F    | 741       | 18            | 182 | 126 | 71  | 66  | 71  | 60  | 63  | 28  | 13  | 25  | 13  | 4   | 1   |
|       | including—  | M    | 8         | —             | 4   | 2   | —   | —   | 1   | —   | —   | 1   | —   | —   | —   | —   | —   |
|       | Posterior basal meningitis                        | F    | 6         | —             | —   | 1   | —   | 2   | 1   | 1   | —   | 1   | —   | —   | —   | —   | —   |
|       | Cerebro-spinal meningitis                         | M    | 19        | —             | 1   | 1   | 1   | 3   | 2   | 6   | 3   | —   | —   | 2   | —   | —   | —   |
|       |   | F    | 6         | —             | 2   | —   | 1   | 2   | 1   | —   | —   | —   | —   | —   | —   | —   | —   |
|       | Cerebral meningitis ...                           | M    | 64        | 2             | 22  | 13  | 1   | 9   | 1   | 3   | 5   | —   | —   | 4   | 4   | —   | —   |
|       |   | F    | 64        | 2             | 7   | 14  | 5   | 8   | 8   | 7   | 6   | 3   | 1   | 3   | —   | —   | —   |
|       | "Meningitis" ...                                  | M    | 665       | 35            | 175 | 115 | 67  | 67  | 26  | 55  | 38  | 26  | 19  | 27  | 12  | 3   | —   |
|       |   | F    | 657       | 15            | 172 | 109 | 64  | 54  | 61  | 52  | 56  | 24  | 12  | 22  | 12  | 3   | 1   |

TABLE XXVI.—CAUSES ASSOCIATED with INFLUENZA : Civilian and Non-Civilian deaths ;  
4th Quarter, 1918—*continued.*

| No.     | —  | Sex. | All Ages. | Under 1 Year. | 1—  | 5— | 10— | 15— | 20— | 25— | 30— | 35— | 40— | 45— | 55— | 65— | 75— |
|---------|--|------|-----------|---------------|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 62      | Locomotor ataxy ...                            | M    | 23        | —             | —   | —  | —   | —   | —   | 2   | 3   | 4   | 3   | 6   | 3   | 1   | 1   |
| 63      | Other diseases of the spinal cord, including—  | M    | 69        | 1             | —   | 1  | 2   | 6   | 7   | 3   | 8   | 12  | 5   | 9   | 5   | 7   | 3   |
|         | Poliomyelitis ...                              | F    | 45        | —             | 1   | 3  | 4   | 7   | 5   | 4   | 6   | 2   | 2   | 5   | 5   | —   | 1   |
|         |  | M    | 8         | 1             | —   | 1  | 1   | 2   | 1   | —   | 1   | —   | —   | 1   | —   | —   | —   |
|         |  | F    | 8         | —             | —   | 3  | 2   | 2   | 1   | —   | —   | —   | —   | —   | —   | —   | —   |
| 64A     | Apoplexy ...                                   | M    | 20        | —             | —   | —  | —   | —   | —   | —   | —   | —   | 3   | 4   | 4   | 6   | 3   |
| 64B     | Serous apoplexy and oedema of brain.           | M    | 18        | —             | —   | —  | 1   | —   | —   | 1   | —   | 2   | 3   | 5   | 2   | 3   | 1   |
|         |  | F    | 5         | —             | —   | —  | —   | —   | —   | —   | —   | 1   | —   | 2   | —   | —   | —   |
| 64C     | Cerebral congestion ...                        | M    | 14        | 2             | 1   | —  | —   | 2   | 1   | 1   | 5   | 1   | —   | 1   | —   | —   | —   |
|         |  | F    | 29        | —             | 5   | 2  | 3   | 1   | 2   | 3   | 4   | 2   | 1   | 5   | 1   | —   | —   |
| 64E     | Cerebral hæmorrhage ...                        | M    | 50        | —             | 1   | —  | —   | 1   | 1   | 2   | 3   | 1   | 2   | 9   | 12  | 16  | 2   |
|         |  | F    | 59        | —             | —   | 1  | —   | —   | —   | —   | 2   | 3   | 6   | 20  | 7   | 17  | 3   |
| 66A     | Hemiplegia ...                                 | M    | 24        | —             | 1   | —  | —   | —   | —   | 2   | 1   | 1   | —   | 4   | 6   | 5   | 4   |
|         |  | F    | 29        | —             | 1   | 1  | 1   | —   | 1   | 2   | 1   | 2   | 1   | 3   | 7   | 5   | 4   |
| 66B     | Paraplegia ...                                 | M    | 10        | —             | —   | —  | —   | —   | 1   | 1   | 1   | 2   | 1   | 1   | 1   | 2   | —   |
|         |  | F    | 7         | —             | 1   | —  | 2   | —   | —   | —   | —   | 1   | 1   | 1   | 1   | —   | —   |
| 66C     | Other forms of paralysis ...                   | M    | 12        | —             | 1   | 1  | —   | —   | —   | 2   | 1   | 1   | 1   | 1   | 4   | —   | —   |
|         |  | F    | 8         | —             | —   | —  | —   | 1   | 2   | —   | —   | 1   | 1   | —   | 1   | 2   | 1   |
| 67      | General paralysis of the insane.               | M    | 30        | —             | —   | —  | —   | —   | 1   | 4   | 4   | 3   | 5   | 7   | 6   | —   | —   |
|         |  | F    | 9         | —             | —   | —  | —   | —   | 2   | —   | —   | 4   | 1   | 1   | 1   | —   | —   |
| 68      | Other forms of mental alienation.              | M    | 52        | —             | —   | —  | —   | —   | 4   | 9   | 5   | 4   | 3   | 11  | 6   | 8   | 2   |
|         |  | F    | 92        | —             | —   | —  | —   | 3   | 4   | 9   | 17  | 13  | 7   | 20  | 11  | 6   | 2   |
| 69      | Epilepsy ...                                   | M    | 103       | —             | 3   | 5  | 5   | 12  | 16  | 19  | 17  | 9   | 4   | 7   | 3   | 3   | —   |
|         |  | F    | 124       | —             | 3   | 3  | 4   | 16  | 14  | 26  | 23  | 9   | —   | 13  | 8   | 3   | 2   |
| 70 & 71 | Convulsions...                                 | M    | 496       | 147           | 269 | 49 | 15  | 9   | 2   | 1   | 1   | —   | 1   | 1   | 1   | —   | —   |
|         |  | F    | 459       | 83            | 291 | 52 | 9   | 6   | 6   | 4   | 5   | —   | 1   | 1   | 1   | —   | —   |
| 72      | Chorea ...                                     | M    | 5         | —             | —   | 1  | 1   | 1   | 1   | 1   | —   | —   | —   | —   | —   | —   | —   |
|         |  | F    | 11        | —             | —   | 1  | 4   | 1   | 2   | 1   | 1   | 1   | —   | —   | —   | —   | —   |
| 73B     | Neuritis ...                                   | M    | 5         | —             | —   | —  | —   | —   | 1   | —   | —   | 1   | —   | 2   | —   | 1   | —   |
|         |  | F    | 6         | —             | —   | —  | —   | —   | —   | —   | 2   | —   | 1   | 1   | 1   | —   | 1   |
| 74A     | Idiocy, Imbecility ...                         | M    | 42        | —             | 1   | 1  | 2   | 7   | 7   | 7   | 6   | 3   | 5   | 2   | —   | 1   | —   |
|         |  | F    | 29        | —             | 2   | 3  | 2   | 2   | 7   | 4   | 2   | —   | 1   | 4   | 2   | —   | —   |
| 74D     | Other diseases of the nervous system.          | M    | 17        | —             | 1   | 1  | —   | 1   | 1   | 1   | 2   | 2   | 1   | 1   | 2   | 2   | 2   |
|         |  | F    | 9         | —             | 4   | —  | —   | —   | —   | —   | —   | —   | —   | 1   | 1   | 2   | 1   |
| 76B     | Other diseases of the ears...                  | M    | 12        | 1             | 1   | 3  | 1   | 2   | 2   | 2   | —   | —   | —   | —   | —   | —   | —   |
|         |  | F    | 23        | 1             | 3   | 2  | 3   | 6   | 1   | 2   | 1   | 2   | 1   | —   | —   | —   | 1   |
| 77      | Pericarditis ...                               | M    | 61        | —             | 5   | 3  | 6   | 8   | 6   | 9   | 5   | 7   | 5   | 4   | 2   | 1   | —   |
|         |  | F    | 68        | —             | 5   | —  | 7   | 10  | 12  | 11  | 11  | 2   | 3   | 4   | 2   | 1   | —   |
| 78A     | Acute myocarditis...                           | M    | 41        | 2             | 2   | 3  | —   | 4   | 6   | 3   | 7   | 5   | 3   | 4   | 1   | 1   | —   |
|         |  | F    | 64        | —             | 1   | —  | 4   | 2   | 5   | 9   | 10  | 2   | 10  | 8   | 4   | 6   | 3   |
| 78B     | Infective endocarditis ...                     | M    | 12        | —             | 1   | 1  | —   | 1   | 2   | 4   | —   | 2   | —   | 1   | —   | —   | —   |
|         |  | F    | 14        | —             | —   | —  | 2   | 1   | 2   | 2   | 2   | 3   | —   | 1   | 1   | —   | —   |
| 78C     | Other acute endocarditis ...                   | M    | 54        | 2             | —   | 2  | 3   | 7   | 2   | 10  | 8   | 5   | 5   | 9   | 1   | —   | —   |
|         |  | F    | 88        | —             | 2   | 1  | 8   | 6   | 13  | 13  | 12  | 8   | 10  | 6   | 7   | 2   | —   |
| 79A     | Valvular disease ...                           | M    | 549       | —             | 4   | 14 | 23  | 36  | 53  | 85  | 78  | 58  | 36  | 68  | 43  | 44  | 7   |
|         |  | F    | 863       | 1             | 4   | 13 | 30  | 49  | 98  | 138 | 118 | 101 | 74  | 102 | 60  | 56  | 19  |
|         | including—                                     | M    | 23        | —             | —   | 1  | —   | 3   | 3   | 3   | 3   | 1   | 5   | 1   | 2   | 1   | —   |
|         | Aortic regurgitation ...                       | F    | 12        | —             | —   | —  | —   | —   | 1   | 3   | —   | 1   | 2   | 2   | 1   | 2   | —   |
|         | Aortic disease ...                             | M    | 53        | —             | —   | —  | 4   | 2   | 1   | 9   | 10  | 6   | 2   | 6   | 7   | 5   | 1   |
|         |  | F    | 26        | —             | —   | —  | —   | 2   | 1   | 7   | 6   | 2   | 1   | 2   | 4   | 1   | —   |
|         | Mitral regurgitation ...                       | M    | 54        | —             | 1   | 3  | 2   | 4   | 6   | 5   | 7   | 5   | 4   | 7   | 5   | 3   | 2   |
|         |  | F    | 111       | —             | 2   | 1  | 3   | 7   | 9   | 20  | 14  | 12  | 10  | 19  | 5   | 6   | 3   |
|         | Mitral stenosis ...                            | M    | 30        | —             | —   | —  | —   | 2   | 3   | 4   | 6   | 3   | 2   | 5   | 3   | 2   | —   |
|         |  | F    | 86        | —             | —   | —  | 1   | 3   | 16  | 20  | 17  | 12  | 7   | 7   | 2   | 1   | —   |
|         | Mitral disease ...                             | M    | 119       | —             | —   | 3  | 9   | 8   | 13  | 14  | 19  | 13  | 9   | 14  | 7   | 9   | 1   |
|         |  | F    | 200       | —             | 1   | 2  | 7   | 11  | 24  | 33  | 30  | 23  | 16  | 24  | 14  | 10  | 5   |
|         | Chronic endocarditis ...                       | M    | 12        | —             | —   | —  | —   | —   | —   | 2   | 2   | —   | —   | 2   | 3   | 3   | —   |
|         |  | F    | 13        | —             | —   | 2  | 1   | —   | —   | 1   | 1   | 2   | 1   | 1   | —   | 3   | 1   |
|         | "Valvular" disease ...                         | M    | 255       | —             | 3   | 7  | 8   | 16  | 27  | 47  | 31  | 30  | 13  | 33  | 16  | 21  | 3   |
|         |  | F    | 410       | 1             | 1   | 8  | 18  | 26  | 47  | 54  | 49  | 48  | 37  | 45  | 33  | 33  | 10  |
| 79B     | Fatty degeneration of the heart.               | M    | 25        | —             | —   | —  | —   | 1   | —   | 1   | 3   | 5   | 2   | 1   | 8   | 4   | —   |
|         |  | F    | 60        | —             | 1   | —  | —   | —   | 2   | —   | 5   | 4   | 3   | 18  | 13  | 13  | 1   |
| 79C     | Other organic disease of the heart, including— | M    | 378       | —             | 4   | 8  | 4   | 24  | 32  | 41  | 31  | 31  | 21  | 48  | 66  | 53  | 15  |
|         |  | F    | 550       | —             | 3   | 4  | 14  | 27  | 40  | 73  | 60  | 53  | 42  | 83  | 70  | 51  | 30  |
|         | Chronic myocarditis ...                        | M    | 14        | —             | —   | —  | —   | —   | —   | —   | —   | 2   | —   | 1   | 4   | 53  | 15  |
|         |  | F    | 9         | —             | —   | —  | —   | —   | —   | —   | 1   | 1   | 2   | 1   | 4   | —   | —   |
|         | Myocardial degeneration                        | M    | 26        | —             | —   | —  | —   | —   | —   | —   | —   | 1   | 1   | 2   | 3   | 9   | 2   |
|         |  | F    | 37        | —             | —   | —  | —   | —   | —   | 3   | 1   | 1   | 1   | 7   | 7   | 10  | 7   |
|         | Dilatation of heart ...                        | M    | 95        | —             | 2   | 2  | 2   | 6   | 6   | 8   | 9   | 10  | 8   | 15  | 13  | 10  | 4   |
|         |  | F    | 105       | —             | 1   | 4  | 4   | 7   | 5   | 15  | 12  | 7   | 5   | 17  | 14  | 9   | 5   |
|         | Heart disease ...                              | M    | 230       | —             | 1   | 6  | 2   | 18  | 26  | 32  | 18  | 18  | 11  | 28  | 38  | 24  | 8   |
|         |  | F    | 385       | —             | 2   | —  | 10  | 20  | 35  | 53  | 45  | 43  | 32  | 56  | 44  | 31  | 14  |
|         | Others under 79C ...                           | M    | 8         | —             | 1   | —  | —   | —   | —   | 1   | 2   | —   | —   | 1   | —   | 3   | —   |
|         |  | F    | 12        | —             | —   | —  | —   | —   | —   | 2   | —   | 1   | 1   | 2   | 1   | 1   | 4   |
| 80      | Angina pectoris ...                            | M    | 8         | —             | —   | —  | —   | —   | —   | —   | 1   | —   | —   | 2   | 3   | 1   | 1   |
|         |  | F    | 3         | —             | —   | —  | —   | —   | —   | —   | 1   | —   | —   | 1   | 1   | —   | —   |
| 77-80   | Heart disease (all forms)...                   | M    | 1,128     | 4             | 16  | 31 | 36  | 81  | 101 | 153 | 133 | 113 | 72  | 137 | 124 | 104 | 23  |
|         |  | F    | 1,710     | 1             | 16  | 18 | 65  | 95  | 172 | 246 | 219 | 173 | 142 | 223 | 158 | 129 | 53  |
| 81B     | Arterial sclerosis ...                         | M    | 40        | —             | —   | —  | —   | —   | —   | —   | —   | —   | —   | 5   | 8   | 15  | 12  |
|         |  | F    | 28        | —             | —   | —  | —   | —   | —   | —   | —   | —   | 1   | 2   | 6   | 10  | 9   |



TABLE XXVI.—CAUSES ASSOCIATED WITH INFLUENZA: Civilian and Non-Civilian deaths;  
4th Quarter, 1918—continued.

| No.     |  | Sex.   | All Ages.        | Under 1 Year. | 1—             | 5—             | 10—            | 15—            | 20—            | 25—            | 30—            | 35—            | 40—            | 45—            | 55—            | 65—            | 75—        |
|---------|--|--------|------------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|
| 82A     | Cerebral embolism and thrombosis, including—         | M<br>F | 24<br>30         | 1<br>—        | 1<br>—         | —<br>1         | —<br>2         | 1<br>—         | —<br>3         | 1<br>1         | 2<br>1         | 2<br>1         | 1<br>3         | 6<br>7         | 5<br>6         | 3<br>3         | 1<br>2     |
|         | Cerebral embolism ...                                | M<br>F | 9<br>14          | —<br>—        | —<br>—         | —<br>—         | —<br>1         | —<br>—         | —<br>3         | 1<br>1         | 2<br>1         | —<br>1         | 1<br>2         | 3<br>2         | 2<br>3         | —<br>3         | —<br>1     |
|         | Cerebral thrombosis ...                              | M<br>F | 15<br>16         | 1<br>—        | 1<br>—         | —<br>1         | —<br>1         | —<br>—         | —<br>—         | —<br>—         | 2<br>—         | —<br>—         | —<br>1         | 3<br>5         | 3<br>3         | 3<br>3         | 1<br>2     |
| 82B     | Other embolism and thrombosis, including—            | M<br>F | 24<br>34         | —<br>—        | —<br>—         | 1<br>—         | —<br>—         | 1<br>1         | 4<br>9         | 5<br>6         | 3<br>4         | 2<br>7         | 2<br>3         | 6<br>3         | —<br>—         | —<br>1         | —<br>—     |
|         | Pulmonary embolism ...                               | M<br>F | 11<br>20         | —<br>—        | —<br>—         | 1<br>—         | —<br>—         | —<br>1         | 4<br>5         | 2<br>3         | —<br>3         | 1<br>3         | 1<br>2         | 2<br>1         | —<br>—         | —<br>—         | —<br>—     |
|         | Others under 82B ...                                 | M<br>F | 13<br>14         | —<br>—        | —<br>—         | —<br>—         | —<br>—         | —<br>1         | —<br>4         | 3<br>1         | 3<br>1         | 1<br>4         | 1<br>1         | 4<br>2         | —<br>—         | 1<br>—         | —<br>—     |
| 85A     | Functional disease of the heart.                     | M<br>F | 11<br>11         | —<br>—        | —<br>—         | —<br>—         | —<br>—         | 1<br>—         | —<br>1         | 1<br>1         | 1<br>1         | 1<br>1         | 2<br>1         | 1<br>—         | 1<br>—         | 3<br>—         | —<br>—     |
| 85B     | Epistaxis ...  | M<br>F | 10<br>13         | 2<br>1        | 1<br>3         | 1<br>—         | —<br>2         | 2<br>3         | 1<br>1         | —<br>—         | —<br>1         | —<br>—         | —<br>1         | —<br>—         | —<br>—         | 1<br>—         | —<br>—     |
| 87B     | Laryngitis ...                                       | M<br>F | 120<br>105       | 4<br>1        | 47<br>20       | 36<br>24       | 9<br>8         | 7<br>6         | —<br>11        | 2<br>12        | 3<br>11        | 3<br>3         | 3<br>2         | 2<br>5         | 2<br>1         | 2<br>1         | —<br>—     |
| 89 & 90 | Bronchitis ...                                       | M<br>F | 3,451<br>4,406   | 164<br>94     | 323<br>388     | 103<br>124     | 58<br>76       | 96<br>114      | 112<br>159     | 182<br>276     | 202<br>306     | 175<br>240     | 213<br>261     | 518<br>672     | 562<br>645     | 539<br>772     | 204<br>279 |
|         | including—   | M<br>F | 19<br>20         | —<br>—        | —<br>—         | 2<br>4         | —<br>2         | 5<br>4         | 4<br>1         | —<br>2         | 1<br>1         | —<br>3         | —<br>2         | 3<br>1         | 1<br>—         | —<br>—         | —<br>—     |
|         | Bronchiectasis ...                                   | M<br>F | 226<br>251       | 11<br>4       | 30<br>39       | 10<br>15       | 5<br>9         | 15<br>17       | 15<br>19       | 30<br>22       | 25<br>30       | 15<br>16       | 15<br>8        | 29<br>37       | 16<br>22       | 10<br>11       | —<br>2     |
|         | Capillary bronchitis ...                             | M<br>F | 3,206<br>4,135   | 153<br>90     | 293<br>349     | 91<br>105      | 53<br>65       | 76<br>93       | 93<br>139      | 151<br>252     | 176<br>275     | 160<br>221     | 197<br>251     | 486<br>634     | 545<br>623     | 528<br>761     | 204<br>277 |
| 91      | Broncho-pneumonia ...                                | M<br>F | 10,201<br>10,192 | 442<br>334    | 2,129<br>2,433 | 828<br>1,074   | 345<br>465     | 625<br>515     | 896<br>800     | 1,247<br>1,088 | 1,065<br>908   | 652<br>541     | 454<br>382     | 699<br>709     | 438<br>463     | 307<br>367     | 74<br>113  |
| 92A     | Lobar pneumonia ...                                  | M<br>F | 3,916<br>4,438   | 17<br>14      | 170<br>182     | 118<br>176     | 151<br>210     | 409<br>468     | 429<br>644     | 681<br>924     | 684<br>740     | 381<br>368     | 262<br>211     | 378<br>286     | 146<br>133     | 75<br>66       | 15<br>16   |
|         | including—   | M<br>F | 1,026<br>1,134   | 5<br>5        | 49<br>49       | 31<br>36       | 42<br>55       | 126<br>132     | 113<br>167     | 187<br>261     | 176<br>206     | 116<br>81      | 71<br>60       | 69<br>53       | 27<br>15       | 11<br>9        | 3<br>5     |
|         | Double pneumonia ...                                 | M<br>F | 2,890<br>3,304   | 12<br>9       | 121<br>133     | 87<br>140      | 109<br>155     | 283<br>336     | 316<br>477     | 494<br>663     | 508<br>534     | 265<br>287     | 191<br>151     | 309<br>233     | 119<br>118     | 64<br>57       | 12<br>11   |
|         | Other forms of lobar pneumonia.                      | M<br>F | 22,045<br>23,812 | 268<br>198    | 1,688<br>1,750 | 1,139<br>1,285 | 858<br>1,220   | 2,035<br>2,076 | 2,096<br>3,210 | 3,591<br>4,445 | 3,370<br>3,354 | 1,960<br>1,861 | 1,394<br>1,140 | 1,394<br>1,672 | 930<br>856     | 5-0<br>582     | 122<br>163 |
| 92B     | Pneumonia (type not stated) including—               | M<br>F | 659<br>573       | 5<br>5        | 22<br>21       | 27<br>22       | 62<br>26       | 78<br>59       | 112<br>88      | 126<br>129     | 78<br>95       | 39<br>45       | 54<br>26       | 18<br>42       | 16<br>10       | 1<br>5         | —<br>—     |
|         | Septic pneumonia ...                                 | M<br>F | 21,356<br>23,202 | 261<br>193    | 1,665<br>1,726 | 1,117<br>1,261 | 831<br>1,192   | 1,970<br>2,016 | 2,013<br>3,119 | 3,478<br>4,314 | 3,238<br>3,251 | 1,878<br>1,812 | 1,351<br>1,111 | 1,958<br>1,623 | 912<br>846     | 563<br>576     | 121<br>162 |
|         | “Pneumonia” ...                                      | M<br>F | 30<br>37         | 2<br>—        | 3<br>4         | 2<br>7         | —<br>6         | 3<br>34        | 5<br>19        | 1<br>23        | 6<br>9         | 4<br>5         | 4<br>4         | 2<br>6         | —<br>6         | 1<br>1         | —<br>—     |
| 93A     | Empyema ...  | M<br>F | 124<br>69        | —<br>—        | 4<br>6         | 7<br>8         | 6<br>8         | 34<br>12       | 19<br>11       | 23<br>9        | 9<br>6         | 5<br>4         | 4<br>3         | 6<br>7         | 6<br>—         | 1<br>—         | —<br>—     |
| 93B     | Other pleurisy ...                                   | M<br>F | 230<br>262       | —<br>—        | 1<br>5         | 6<br>2         | 8<br>11        | 26<br>26       | 20<br>25       | 30<br>44       | 31<br>41       | 14<br>32       | 24<br>29       | 28<br>22       | 25<br>10       | 12<br>5        | 5<br>5     |
| 94B     | Pulmonary oedema and congestion, including—          | M<br>F | 391<br>471       | 12<br>8       | 24<br>29       | 16<br>19       | 6<br>12        | 24<br>23       | 26<br>44       | 37<br>68       | 48<br>52       | 31<br>35       | 34<br>24       | 58<br>59       | 35<br>47       | 26<br>42       | 14<br>9    |
|         | Pulmonary oedema ...                                 | M<br>F | 45<br>47         | 1<br>—        | —<br>1         | 1<br>2         | 1<br>1         | 4<br>4         | 3<br>9         | 6<br>8         | 9<br>5         | 3<br>5         | 6<br>4         | 8<br>5         | 1<br>2         | 2<br>1         | —<br>—     |
|         | Pulmonary congestion ...                             | M<br>F | 346<br>424       | 11<br>8       | 24<br>28       | 15<br>17       | 5<br>11        | 20<br>19       | 23<br>35       | 31<br>60       | 39<br>47       | 28<br>30       | 28<br>20       | 50<br>54       | 34<br>45       | 24<br>41       | 14<br>9    |
| 94C     | Hypostatic pneumonia ...                             | M<br>F | 8<br>23          | —<br>—        | —<br>—         | —<br>1         | —<br>—         | —<br>—         | —<br>2         | —<br>3         | —<br>2         | —<br>1         | —<br>1         | —<br>2         | —<br>10        | —<br>2         | —<br>—     |
| 95      | Gangrene of the lung ...                             | M<br>F | 20<br>5          | —<br>—        | —<br>—         | —<br>1         | —<br>—         | —<br>1         | 5<br>—         | 2<br>2         | 1<br>—         | 3<br>—         | 1<br>—         | 2<br>—         | 5<br>—         | —<br>—         | —<br>—     |
| 96      | Asthma ...   | M<br>F | 303<br>252       | 1<br>—        | —<br>1         | 6<br>3         | 4<br>4         | 7<br>8         | 11<br>12       | 17<br>28       | 33<br>27       | 37<br>23       | 37<br>19       | 73<br>61       | 55<br>37       | 20<br>24       | 2<br>5     |
| 97      | Pulmonary emphysema ...                              | M<br>F | 75<br>38         | —<br>—        | —<br>2         | —<br>—         | —<br>—         | —<br>1         | 2<br>1         | 5<br>2         | 5<br>1         | 7<br>5         | 10<br>5        | 17<br>6        | 19<br>8        | 5<br>6         | 3<br>2     |
| 98A     | Fibroid disease of lung ...                          | M<br>F | 14<br>3          | —<br>—        | —<br>—         | —<br>—         | —<br>—         | —<br>—         | —<br>—         | 2<br>—         | 1<br>1         | —<br>—         | 4<br>—         | 3<br>—         | 2<br>—         | 2<br>—         | —<br>—     |
| 98B     | Other diseases of the respiratory system, including— | M<br>F | 80<br>63         | —<br>—        | —<br>1         | 3<br>1         | 2<br>2         | 5<br>9         | 11<br>6        | 11<br>13       | 16<br>13       | 7<br>4         | 6<br>4         | 12<br>6        | 5<br>4         | 1<br>—         | —<br>—     |
|         | Abscess of lung ...                                  | M<br>F | 11<br>4          | —<br>—        | —<br>—         | —<br>—         | 1<br>2         | 1<br>1         | 4<br>—         | 1<br>—         | 3<br>—         | —<br>—         | —<br>—         | 1<br>1         | —<br>—         | —<br>—         | —<br>—     |
|         | Hæmoptysis ...                                       | M<br>F | 68<br>59         | —<br>—        | —<br>1         | 3<br>1         | 1<br>—         | 4<br>8         | 7<br>6         | 10<br>13       | 13<br>13       | 7<br>4         | 6<br>4         | 10<br>5        | 5<br>4         | 1<br>—         | —<br>—     |
| 86-98   | Respiratory diseases (all forms).                    | M<br>F | 40,995<br>44,157 | 908<br>649    | 4,389<br>4,821 | 2,265<br>2,720 | 1,451<br>2,017 | 3,272<br>3,255 | 3,628<br>4,927 | 5,831<br>6,917 | 5,468<br>5,468 | 3,276<br>3,118 | 2,448<br>2,079 | 3,814<br>3,502 | 2,230<br>2,208 | 1,573<br>1,880 | 442<br>596 |
| 99A     | Diseases of the teeth and gums.                      | M<br>F | 3<br>7           | —<br>—        | —<br>3         | —<br>3         | —<br>—         | —<br>—         | —<br>—         | —<br>—         | —<br>—         | —<br>—         | —<br>1         | —<br>—         | —<br>—         | —<br>—         | —<br>—     |
| 100A    | Tonsillitis ...                                      | M<br>F | 24<br>28         | —<br>—        | 6<br>1         | 5<br>7         | 3<br>5         | 4<br>4         | 2<br>2         | 2<br>4         | —<br>—         | —<br>2         | 1<br>2         | 1<br>2         | —<br>1         | —<br>—         | —<br>—     |
| 100C    | Other diseases of the pharynx.                       | M<br>F | 5<br>10          | —<br>—        | 2<br>2         | 2<br>1         | —<br>—         | 1<br>2         | —<br>—         | —<br>2         | —<br>2         | —<br>—         | —<br>—         | —<br>—         | —<br>—         | —<br>—         | —<br>—     |
| 102     | Perforating ulcer of stomach                         | M<br>F | 8<br>9           | —<br>—        | —<br>—         | —<br>—         | —<br>—         | 1<br>—         | —<br>1         | —<br>1         | —<br>—         | 2<br>2         | 1<br>2         | —<br>2         | 3<br>1         | —<br>—         | —<br>—     |
| 103A    | Inflammation of stomach...                           | M<br>F | 62<br>75         | 6<br>2        | 10<br>6        | 4<br>6         | 4<br>4         | 4<br>5         | 2<br>7         | 4<br>8         | 7<br>4         | 2<br>9         | 4<br>4         | 4<br>7         | 5<br>4         | 5<br>6         | 1<br>3     |
| 103B    | Other diseases of the stomach                        | M<br>F | 25<br>23         | —<br>—        | 2<br>—         | 2<br>2         | 2<br>3         | 4<br>1         | 1<br>6         | 2<br>3         | 3<br>—         | —<br>—         | —<br>1         | 6<br>5         | 1<br>—         | 2<br>—         | —<br>—     |
| 104B    | Diarrhoea—not returned as                            | M      | 82               | 4             | 10             | 2              | 2              | 5              | 7              | 6              | 5              | 9              | 4              | 10             | 10             | 7              | 1          |
| 105     | infective.   | F      | 93               | 5             | 8              | 3              | 5              | 8              | 9              | 11             | 10             | 7              | 2              | 9              | 7              | 7              | 2          |

TABLE XXVI.—CAUSES ASSOCIATED with INFLUENZA: Civilian and Non-Civilian deaths;  
4th Quarter, 1918—*continued*.

| No.     | —                            | Sex. | All<br>Ages. | Under<br>1<br>Year. | 1— | 5— | 10— | 15— | 20— | 25— | 30— | 35— | 40— | 45— | 55— | 65— | 75— |
|---------|------------------------------|------|--------------|---------------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1040    | Enteritis—not returned as    | M    | 76           | 6                   | 15 | 4  | 4   | 2   | 3   | 3   | 8   | 7   | 2   | 6   | 8   | 7   | 1   |
| 105     | infective.                   | F    | 53           | 4                   | 7  | 4  | —   | 4   | 4   | 3   | 5   | 6   | 3   | 4   | 5   | 2   | 2   |
| 1040    | Gastro-enteritis—not re-     | M    | 51           | 9                   | 8  | 2  | 1   | 7   | —   | 3   | 3   | 2   | 1   | 4   | 5   | 2   | 4   |
| 105     | turned as infective.         | F    | 60           | 7                   | 8  | 9  | 5   | 1   | 4   | 5   | 3   | 1   | 2   | 4   | 6   | 4   | 1   |
| 108     | Appendicitis ...             | M    | 20           | —                   | 1  | 3  | 6   | 8   | —   | 1   | —   | 1   | —   | —   | —   | —   | —   |
|         |                              | F    | 15           | —                   | —  | 1  | 1   | 1   | 4   | 2   | 3   | 2   | —   | 1   | —   | —   | —   |
| 110     | Other diseases of the intes- | M    | 9            | 1                   | —  | —  | 2   | 1   | —   | 1   | —   | —   | —   | —   | 3   | 1   | —   |
|         | tines.                       | F    | 8            | —                   | 2  | 1  | —   | —   | 2   | 1   | —   | —   | —   | 2   | —   | —   | —   |
| 113A    | Cirrhosis of the liver (not  | M    | 10           | —                   | —  | —  | —   | —   | —   | —   | —   | —   | 2   | 4   | 3   | 1   | —   |
|         | returned as alcoholic).      | F    | 6            | —                   | 1  | —  | —   | —   | —   | 1   | —   | 1   | —   | —   | 2   | 1   | —   |
| 115     | Other diseases of the liver  | M    | 42           | 2                   | 2  | 3  | 2   | 8   | 3   | 3   | 6   | 2   | 2   | 1   | 4   | 1   | —   |
|         |                              | F    | 23           | 1                   | —  | —  | 2   | 2   | —   | 2   | 2   | 1   | 2   | 6   | 1   | 4   | —   |
| 117     | Peritonitis ...              | M    | 29           | —                   | 4  | 3  | 4   | 5   | 1   | 2   | 1   | 2   | —   | 5   | 2   | —   | —   |
|         |                              | F    | 28           | —                   | 1  | 3  | 2   | 5   | 4   | 2   | 1   | 4   | 3   | 1   | —   | 1   | 1   |
| 119     | Acute nephritis ...          | M    | 82           | —                   | 5  | 5  | 7   | 10  | 10  | 9   | 13  | 7   | 3   | 9   | 4   | —   | —   |
|         |                              | F    | 50           | —                   | 7  | 1  | 5   | 3   | 5   | 13  | 4   | 5   | 2   | 3   | 1   | 1   | —   |
| 120     | Bright's disease ...         | M    | 182          | —                   | 1  | 6  | 5   | 10  | 19  | 11  | 22  | 17  | 14  | 31  | 27  | 15  | 4   |
|         |                              | F    | 144          | —                   | 2  | 3  | 9   | 15  | 10  | 16  | 15  | 12  | 9   | 27  | 13  | 11  | 2   |
|         | including—                   |      |              |                     |    |    |     |     |     |     |     |     |     |     |     |     |     |
|         | Albuminuria ...              | M    | 10           | —                   | —  | —  | —   | —   | —   | 1   | 3   | 1   | —   | 5   | —   | —   | —   |
|         |                              | F    | 4            | —                   | —  | —  | 1   | 1   | —   | 1   | —   | —   | —   | 1   | —   | —   | —   |
|         | Bright's disease ...         | M    | 20           | —                   | —  | 2  | —   | —   | 1   | —   | —   | 1   | 3   | 6   | 2   | 4   | 1   |
|         |                              | F    | 30           | —                   | —  | —  | 1   | 3   | 1   | 1   | 1   | 4   | 4   | 7   | 3   | 5   | —   |
|         | Chronic nephritis ...        | M    | 46           | —                   | 1  | 2  | —   | 1   | 4   | 3   | 7   | 4   | 2   | 7   | 9   | 4   | 2   |
|         |                              | F    | 37           | —                   | —  | 1  | 1   | 5   | —   | 4   | 5   | 4   | 2   | 7   | 5   | 2   | 1   |
|         | Nephritis ...                | M    | 74           | —                   | —  | —  | 5   | 7   | 10  | 5   | 9   | 8   | 7   | 7   | 12  | 3   | 1   |
|         |                              | F    | 59           | —                   | —  | —  | 6   | 5   | 8   | 10  | 8   | 4   | 3   | 10  | 3   | 1   | 1   |
|         | Uræmia ...                   | M    | 20           | —                   | —  | 1  | —   | 2   | 4   | 1   | 2   | 2   | 1   | 4   | 3   | —   | —   |
|         |                              | F    | 6            | —                   | 2  | 2  | —   | —   | 1   | —   | 1   | —   | —   | —   | —   | —   | —   |
|         | Others under 120 ...         | M    | 12           | —                   | —  | 1  | —   | —   | —   | 1   | 1   | 1   | 1   | 2   | 1   | 4   | —   |
|         |                              | F    | 8            | —                   | —  | —  | —   | 1   | —   | —   | —   | —   | —   | 2   | 2   | 3   | —   |
| 122     | Other diseases of the kidney | M    | 13           | —                   | —  | —  | —   | —   | —   | —   | 2   | 2   | 3   | 2   | 1   | 3   | —   |
|         | and annexa.                  | F    | 7            | —                   | —  | 1  | —   | —   | 1   | —   | —   | —   | —   | 3   | 2   | —   | —   |
| 124     | Diseases of the bladder ...  | M    | 20           | —                   | —  | —  | —   | —   | 1   | 1   | 1   | 1   | 1   | 4   | 1   | 7   | 3   |
|         |                              | F    | 6            | —                   | —  | —  | —   | —   | —   | 1   | —   | —   | —   | 3   | —   | —   | 2   |
| 134A    | Abortion ...                 | M    | —            | —                   | —  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|         |                              | F    | 717          | —                   | —  | —  | —   | 24  | 136 | 244 | 193 | 87  | 28  | 5   | —   | —   | —   |
| 134E    | Other accidents of preg-     | M    | —            | —                   | —  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|         | naney.                       | F    | 107          | —                   | —  | —  | —   | 3   | 21  | 39  | 33  | 9   | 1   | 1   | —   | —   | —   |
| 135     | Puerperal hæmorrhage ...     | M    | —            | —                   | —  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|         |                              | F    | 18           | —                   | —  | —  | —   | 2   | —   | 5   | 4   | 4   | 3   | —   | —   | —   | —   |
| 136     | Other accidents of child-    | M    | —            | —                   | —  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|         | birth.                       | F    | 660          | —                   | —  | —  | —   | 22  | 122 | 222 | 169 | 83  | 37  | 5   | —   | —   | —   |
| 137     | Puerperal fever ...          | M    | —            | —                   | —  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|         |                              | F    | 11           | —                   | —  | —  | —   | 2   | —   | 4   | 2   | 2   | 1   | —   | —   | —   | —   |
| 134-141 | All accidents of pregnancy   | M    | —            | —                   | —  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|         | and childbirth.              | F    | 1,543        | —                   | —  | —  | —   | 53  | 285 | 517 | 416 | 190 | 70  | 12  | —   | —   | —   |
| 142B    | Noma, Gangrene of mouth      | M    | 4            | —                   | 2  | 2  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|         |                              | F    | 16           | 1                   | 9  | 4  | 1   | —   | —   | 1   | —   | —   | —   | —   | —   | —   | —   |
| 142D    | Other gangrene ...           | M    | 3            | —                   | —  | —  | —   | —   | —   | 1   | —   | —   | 1   | —   | 1   | —   | —   |
|         |                              | F    | 7            | 1                   | —  | —  | 1   | —   | 1   | 1   | —   | —   | —   | 1   | 2   | —   | —   |
| 143     | Carbuncle, Boil ...          | M    | 9            | —                   | —  | —  | —   | —   | —   | 1   | —   | —   | 1   | 2   | 4   | 1   | —   |
|         |                              | F    | 1            | —                   | —  | —  | —   | —   | —   | —   | —   | —   | —   | 1   | —   | —   | —   |
| 144B    | Acute abscess ...            | M    | 5            | —                   | 2  | —  | —   | —   | 1   | —   | —   | —   | —   | 1   | —   | 1   | —   |
|         |                              | F    | 10           | —                   | 2  | —  | —   | —   | 1   | 1   | 2   | 1   | —   | 1   | 1   | —   | 1   |
| 145A    | Ulcer, Bedsore ...           | M    | 5            | —                   | —  | —  | —   | 1   | 1   | —   | —   | —   | —   | —   | 3   | —   | —   |
|         |                              | F    | 8            | —                   | —  | —  | —   | —   | —   | —   | 1   | —   | —   | 2   | 3   | 1   | 1   |
| 147     | Diseases of the joints ...   | M    | 5            | —                   | —  | —  | —   | —   | 1   | —   | 2   | —   | —   | 1   | 1   | —   | —   |
|         |                              | F    | 5            | —                   | —  | —  | —   | 1   | 1   | —   | —   | 1   | —   | —   | 2   | —   | —   |
| 150C    | Congenital malformation      | M    | 27           | 2                   | 6  | 3  | 6   | 5   | 2   | 2   | 1   | —   | —   | —   | —   | —   | —   |
|         | of heart.                    | F    | 18           | 1                   | 7  | 5  | —   | 3   | —   | —   | —   | 1   | —   | 1   | —   | —   | —   |
| 154A    | Senile dementia ...          | M    | 2            | —                   | —  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | 2   | —   |
|         |                              | F    | 11           | —                   | —  | —  | —   | —   | —   | —   | —   | —   | —   | —   | 1   | 4   | 6   |
|         | Battle (wounds, &c.) ...     | M    | 126          | —                   | —  | —  | —   | 9   | 37  | 39  | 24  | 14  | 3   | —   | —   | —   | —   |
|         |                              | F    | —            | —                   | —  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
| .87     | Dropsy ...                   | M    | 9            | —                   | 1  | —  | —   | 1   | 2   | 1   | —   | 1   | —   | 2   | 1   | —   | —   |
|         |                              | F    | 16           | —                   | —  | —  | —   | 2   | —   | —   | 2   | —   | 1   | —   | 4   | 5   | 2   |
| 189C    | Teething ...                 | M    | 11           | 5                   | 6  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|         |                              | F    | 16           | 8                   | 8  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
| 189D    | Pyrexia ...                  | M    | 67           | —                   | 6  | 5  | 2   | 6   | 7   | 12  | 8   | 6   | 3   | 8   | 2   | —   | 2   |
|         |                              | F    | 94           | 3                   | 7  | 7  | 3   | 14  | 18  | 16  | 16  | 4   | 1   | 4   | 1   | —   | —   |
| 189E    | Other ill-defined causes ... | M    | 139          | 1                   | 17 | 10 | 2   | 24  | 4   | 17  | 18  | 9   | 13  | 16  | 2   | 6   | —   |
|         |                              | F    | 93           | 2                   | 10 | 4  | 5   | 10  | 12  | 14  | 10  | 9   | 2   | 8   | 5   | 1   | 1   |

## LIST SUPPLEMENTARY TO TABLE XXVI. 4th Quarter, 1918.

*Types*.—Hæmorrhagic influenza 15; malignant influenza 4, 20, 25, 65; influenza gravis 15; streptococcal influenza 35; meningeal influenza 15; abdominal influenza 0, 65; gastro-abdominal influenza 40; gastro-intestinal influenza 2, 10, 15; malarial influenza 15; typhoidal influenza 55, 30; Russian influenza 35; la grippe 30, 45, 80.

*Contributory causes*.—14. Dysentery 0, 15, 25, 25, 30, 30, 35, 50, 55. 18. Erysipelas 20, 35, 40, 45, 60, 65, 75, 25, 30. 19B. German measles 1, 4, 5. 19C. Varicella 2, 2, 4, 5. 19D. Trench fever 30. 24. Tetanus 25. 25A. Actinomyces 30. 34A. Lupus 10, 30. 38B. Gonococcus infection 15, 30. 39. Cancer of the buccal cavity 65, 80. 42. Cancer of the female genital organs 35, 40, 45, 50, 70. 44. Cancer of the skin 50. 45. Cancer of other organs 25, 45, 30, 60, 60, 65. 46C. Other tumours 25, 35, 60. 49.



LIST SUPPLEMENTARY TO TABLE XXVI.—*continued.*

Scurvy 0. 52. Addison's disease 25, 20. 53B. Lymphadenoma 50, 70, 15, 15. (54). Splenic anæmia 30, 60; Chlorosis 25, 30, 35, 35, 40. 55A. Diabetes insipidus 15, 70, 35. 55C. Hæmophilia 30, 15, 30. (55D.). Acidosis 10; acromegaly 20, 25; amyloid disease 1; meningeal toxæmia 20; obesity 25, 40, 50. 57A. Occupational lead poisoning 30, 60. (60). Infective encephalitis 15, 15; encephalitis lethargica 10; mesencephalitis 35; cerebral abscess 5, 20, 25, 25, 10, 15. (61). Cerebro-spinal fever 60; meningitis (meningococcus) 20; spinal meningitis 20, 25, 30, 0, 1; encephalomeningitis 65; meningo-encephalitis 20; leptomeningitis 75, 65; septic meningitis 3, 5, 5, 10, 30; suppurative meningitis 5; meningitis (pneumococcus) 0, 5, 25, 25, 25, 30, 30, 35; meningitis (streptococci) 25. (63). Acute poli-encephalitis 30; poli-encephalomyelitis 15. 64D. Cerebral atheroma 65. 65. Softening of brain 50, 50, 65, 70, 75, 55, 65, 75, 75. 73A. Hysteria, sciatica 30, 55. 74B. Cretinism 10, 15, 20, 25. 74C. Cerebral tumour 10, 20, 35, 5. 75. Diseases of the eyes and annexa 2, 35, 55, 25, 50. 76A. Mastoid disease 20, 5, 5, 15, 15, 40. (79A). Aortic stenosis 15, 25, 30, 35, 45, 50, 60; tricuspid regurgitation 40. (79C.). Hypertrophy 30, 30, 55, 55, 70, 30, 40. 81A. Aneurysm 40, 50, 60. 81C. Other diseases of arteries 50, 40, 45. 83A. Phlebitis 25, 40, 40, 15, 30, 30, 30, 35, 35. 84A. Status lymphaticus 1, 3, 5, 10, 10, 10, 15. 84B. Other diseases of the lymphatic system 45, 0, 30. 85C. Hæmorrhage 15, 25, 50, 4, 30, 55. 86. Diseases of the nasal fossæ 4, 4. 87A. Laryngismus stridulus 5, 10, 1, 4, 5, 5, 10. 87C. Other diseases of larynx 1, 2, 5, 10. 88. Diseases of the thyroid body—Goitre 15, 20, 50, 15, 40, 55; myxœdema 10, 45, 25, 60, 75; thyroiditis 40. 94A. Pulmonary apoplexy and infarction 15, 25, 5, 20, 30, 30, 30. 94D. Collapse of lung 15, 35, 4. (98B.). Pneumo-paresis 45. 99C. Parotitis 5, 55. 99D. Abscess of sub-maxillary gland 35; parotid tumour 70. 100B. Ludwig's angina 25, 3. 101. Diseases of œsophagus 45, 65. 104A. Infective enteritis 0, 1, 5, 1, 15, 25, 40, 40. 104E. Dyspepsia 0. 104G. Ulceration of intestines 35, 20. 104H. Duodenal ulcer 50, 75, 40. 107. Ascariasis 1; intestinal worms 2. 109A. Hernia 1, 35, 60, 65, 55, 55, 80. 109B. Intestinal obstruction 15, 50, 55, 55, 60, 70. 114. Biliary calculi 35, 50. 116B. Other diseases of the spleen 25, 45, 40. 118A. Abdominal abscess, sub-phrenic abscess 55, 45, 60. 118B. Other diseases of the digestive system 30, 45. (122). Suppression of urine 30, 30, 40, 40, 45, 65, 70, 45, 55. 123. Calculi of the urinary passages 35, 50, 50, 65. 125B. Urethral stricture 50. 126. Enlarged prostate 70. 127. Non-venereal disease of male genital organs 25, 35. 128A. Menorrhagia 10, 45, 45. 128B. Other uterine hæmorrhage 15, 25, 35, 40, 40. 129. Uterine tumour 35, 45, 45, 45, 50. 130A. Disorders of menstruation 40. 130B. Other diseases of the uterus 20, 25, 35, 40, 45. 131. Ovarian cyst, tumour (non-cancerous) 30, 35. 133. Mammary abscess 25, 40, 45. 134C. Uncontrollable vomiting of pregnancy 30, 35. 134D. Ectopic gestation 40. 138A. Puerperal nephritis and uræmia 25, 30, 30, 30, 30, 35. 138C. Puerperal convulsions 20, 20, 25, 30, 30, 30, 30, 30, 35. 139A. Puerperal phlebitis 45. 139B. Puerperal embolism and sudden death 20, 20, 20, 20, 30, 30, 30, 35. 140. Puerperal insanity 25, 30, 30. 144A. Phlegmon 4, 55, 60, 10, 20, 30, 45, 55. 145B. Eczema 2, 0, 1. 145D. Other diseases of integumentary system 1, 35, 65, 70, 80. 146. Diseases of the bones 5, 10, 45. 149. Other diseases of locomotor system 10, 55, 50. 150A. Congenital hydrocephalus 0, 2, 2, 5, 10, 15, 15. 150D. Other congenital malformations 1, 10, 10, 30, 35. 151A. Premature birth 0, 0. 151E. Want of breast milk 0. 157. Suicide by hanging 45, 50, 60. 158. Suicide by drowning 25, 20, 20, 20, 50, 55. 160. Suicide by cutting or piercing instruments 25, 30, 30, 40, 55. 161. Suicide by jumping from window 25. 167. Burns 5, 25, 20. 169. Accidental drowning 45. 172. Injury by fall 10, 50, 60, 65, 75. 173. Injury in coal mines 35, 45, 60. 175. Injury by vehicles 35, 70, 55. 176. Kicked by cow 55. 185. Fracture of tibia 20.

TABLE XXVII.—CAUSES ASSOCIATED with INFLUENZA : Civilian and Non-Civilian deaths ; 1st January–10th May, 1919.

TABLE B. See page 31.

| No.   | —  | Sex. | All Ages. | Under 1 Year | 1— | 5— | 10— | 15— | 20— | 25— | 30— | 35— | 40— | 45— | 55— | 65— | 75— |
|-------|--|------|-----------|--------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4     | Gastric influenza ...                        | M    | 7         | 1            | 1  | —  | —   | 1   | —   | —   | 2   | 1   | —   | —   | 1   | —   | —   |
|       |  | F    | 9         | —            | 1  | —  | —   | —   | —   | —   | —   | —   | 1   | —   | 3   | —   | —   |
| 8     | Malaria ...                                  | M    | 12        | —            | —  | —  | —   | —   | —   | 2   | 5   | 2   | 2   | —   | —   | 1   | —   |
|       |  | F    | —         | —            | —  | —  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
| 9A    | Whooping cough ...                           | M    | 17        | 3            | 10 | 3  | 1   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
|       |  | F    | 28        | 3            | 19 | 6  | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   | —   |
| 20A   | Diphtheria ...                               | M    | 5         | —            | —  | 2  | 1   | —   | —   | —   | 1   | —   | —   | —   | —   | —   | —   |
|       |  | F    | 7         | —            | 4  | 1  | —   | —   | —   | 2   | —   | —   | —   | —   | —   | —   | —   |
| 20B   | Pyæmia ...                                   | M    | 6         | —            | —  | —  | 2   | 1   | 1   | 1   | —   | 1   | —   | —   | —   | —   | —   |
|       |  | F    | 7         | —            | —  | —  | 1   | 1   | —   | 1   | —   | —   | —   | 2   | —   | 2   | —   |
| 28A   | Septicæmia ...                               | M    | 72        | 1            | 2  | 1  | 4   | 6   | 8   | 14  | 7   | 7   | 3   | 9   | 7   | 3   | —   |
|       |  | F    | 52        | 2            | 4  | 2  | 2   | 5   | 6   | 8   | 8   | 2   | 2   | 6   | 3   | 2   | —   |
| 28B   | Pulmonary tuberculosis ...                   | M    | 231       | 1            | —  | 3  | 5   | 14  | 18  | 26  | 44  | 33  | 29  | 36  | 16  | 6   | —   |
|       |  | F    | 178       | 1            | 1  | 3  | 5   | 14  | 32  | 24  | 31  | 19  | 16  | 14  | 10  | 6   | 2   |
| 29A   | Phthisis (not defined as tuberculous).       | M    | 67        | —            | —  | 1  | 2   | 4   | 7   | 22  | 8   | 7   | 5   | 5   | 6   | —   | —   |
|       |  | F    | 59        | —            | —  | 2  | 2   | 10  | 3   | 12  | 5   | 9   | 4   | 7   | 3   | 2   | —   |
| 29B   | Acute phthisis ...                           | M    | 41        | —            | 1  | —  | —   | 6   | 6   | 7   | 6   | 3   | 3   | 3   | 4   | 2   | —   |
|       |  | F    | 55        | —            | —  | 2  | 3   | 12  | 5   | 14  | 4   | 3   | 6   | 5   | 1   | —   | —   |
| 30    | Acute miliary tuberculosis                   | M    | 15        | —            | —  | 1  | 1   | 1   | —   | 3   | 1   | 1   | 1   | 4   | 2   | —   | —   |
|       |  | F    | 21        | —            | 1  | 1  | 1   | 1   | 2   | 4   | 3   | 4   | 1   | 2   | —   | 1   | —   |
| 31B   | Tuberculous meningitis ...                   | M    | 10        | —            | 3  | 2  | 1   | 2   | —   | 1   | 1   | —   | —   | —   | —   | —   | —   |
|       |  | F    | 10        | —            | 4  | 2  | —   | 1   | 3   | —   | —   | —   | —   | —   | —   | —   | —   |
| 32    | Other peritoneal and intestinal tubercle ... | M    | 6         | —            | —  | —  | 1   | —   | 3   | 1   | —   | 1   | —   | —   | —   | —   | —   |
|       |  | F    | 10        | —            | 3  | —  | —   | 2   | —   | 1   | 1   | —   | 1   | —   | —   | 1   | —   |
| 37    | Tuberculosis of spinal column.               | M    | 10        | —            | 1  | 1  | —   | 1   | 1   | 2   | 3   | —   | —   | 1   | —   | —   | —   |
|       |  | F    | 7         | —            | —  | —  | 1   | 2   | 2   | 1   | —   | —   | —   | 1   | —   | —   | —   |
| 28-35 | Tuberculosis (all forms) ...                 | M    | 388       | 1            | 5  | 10 | 11  | 29  | 35  | 62  | 63  | 46  | 38  | 49  | 30  | 9   | —   |
|       |  | F    | 349       | 1            | 10 | 10 | 13  | 42  | 49  | 57  | 44  | 35  | 30  | 32  | 14  | 10  | 2   |
| 40    | Syphilis ...                                 | M    | 6         | —            | —  | —  | —   | —   | 1   | 1   | —   | 1   | —   | 1   | 1   | —   | —   |
|       |  | F    | 4         | —            | 2  | —  | —   | 1   | —   | —   | —   | —   | —   | —   | 1   | —   | —   |
| 40    | Cancer of the stomach, liver, &c.            | M    | 8         | —            | —  | —  | —   | —   | —   | —   | —   | —   | —   | 1   | 5   | 1   | 1   |
|       |  | F    | 7         | —            | —  | —  | —   | —   | —   | —   | 1   | —   | 2   | —   | 1   | 2   | 1   |

TABLE XXVII.—CAUSES ASSOCIATED with INFLUENZA : Civilian and Non-Civilian deaths ;  
1st January–10th May, 1919—continued.

| No.     | —  | Sex. | All<br>Ages. | Under<br>1<br>Year. | 1— | 5— | 10— | 15— | 20— | 25— | 30— | 35— | 40— | 45— | 55— | 65— | 75— |
|---------|--|------|--------------|---------------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 39-45   | Cancer (all forms)...                    | M    | 13           | —                   | —  | —  | —   | —   | —   | 1   | 1   | 1   | —   | 1   | 6   | 3   | 1   |
|         |  | F    | 26           | —                   | —  | —  | —   | —   | —   | —   | 1   | —   | 4   | 2   | 10  | 7   | 2   |
| 47      | Rheumatic fever ...                      | M    | 10           | —                   | 1  | 1  | 3   | 1   | —   | —   | 1   | —   | 1   | —   | 1   | 1   | —   |
|         |  | F    | 22           | —                   | —  | —  | 1   | 5   | 2   | 5   | —   | —   | 1   | 5   | 1   | 2   | —   |
| 48A     | Chronic rheumatism ...                   | M    | 6            | —                   | —  | —  | —   | —   | —   | —   | —   | —   | —   | 1   | 1   | 2   | 2   |
|         |  | F    | 6            | —                   | —  | —  | —   | —   | —   | —   | —   | —   | —   | 2   | 2   | —   | 2   |
| 48B     | Osteo-arthritis ...                      | M    | 5            | —                   | —  | —  | —   | —   | —   | —   | 1   | —   | —   | 1   | 2   | 1   | —   |
|         |  | F    | 27           | —                   | —  | —  | —   | 1   | 1   | 1   | —   | —   | 1   | 5   | 6   | 9   | 3   |
| 50      | Diabetes ...                             | M    | 42           | —                   | 1  | 1  | 1   | —   | 2   | 3   | 8   | 5   | 3   | 7   | 4   | 4   | 3   |
|         |  | F    | 33           | —                   | —  | —  | —   | —   | 1   | 1   | 2   | 1   | 1   | 6   | 7   | 9   | 5   |
| 51      | Exophthalmic goitre ...                  | M    | 4            | —                   | —  | —  | —   | —   | —   | 1   | —   | —   | 1   | 1   | —   | —   | —   |
|         |  | F    | 29           | —                   | —  | —  | —   | 3   | 1   | 3   | 3   | 4   | 3   | 10  | —   | 1   | 1   |
| 54      | Anæmia, chlorosis ...                    | M    | 13           | —                   | —  | —  | —   | 1   | 2   | 1   | 1   | 1   | 1   | 5   | 2   | —   | —   |
|         | including—                               | F    | 27           | —                   | —  | —  | —   | 2   | 3   | 6   | 2   | 1   | 5   | 6   | 2   | —   | —   |
|         | Pernicious anæmia ...                    | M    | 8            | —                   | —  | —  | —   | —   | 1   | —   | 1   | —   | —   | 4   | 2   | —   | —   |
|         |  | F    | 5            | —                   | —  | —  | —   | —   | —   | 1   | —   | —   | —   | 3   | 1   | —   | —   |
|         | Anæmia... ..                             | M    | 3            | —                   | —  | —  | —   | 1   | 1   | —   | —   | —   | 1   | —   | —   | —   | —   |
|         |  | F    | 19           | —                   | —  | —  | —   | 2   | 3   | 4   | 2   | 1   | 3   | 3   | 1   | —   | —   |
| 55B     | Purpura ...                              | M    | 6            | 2                   | —  | —  | 1   | —   | —   | 2   | —   | —   | —   | 1   | —   | —   | —   |
|         |  | F    | 7            | —                   | 1  | 1  | 1   | —   | 1   | 2   | —   | —   | —   | 1   | —   | —   | —   |
|         | Toxæmia ...                              | M    | 155          | 4                   | 6  | 6  | 3   | 15  | 9   | 27  | 26  | 18  | 15  | 11  | 9   | 6   | —   |
|         |  | F    | 146          | 1                   | 7  | 9  | 9   | 11  | 10  | 27  | 13  | 9   | 5   | 21  | 13  | 10  | 1   |
| 60      | Encephalitis ...                         | M    | 38           | 1                   | 3  | —  | 3   | 4   | 3   | 4   | 3   | 3   | 1   | 6   | 4   | 2   | 1   |
|         | including—                               | F    | 31           | —                   | 3  | 3  | 2   | 2   | 3   | 4   | 2   | 2   | 2   | 5   | 3   | —   | —   |
|         | Encephalitis lethargica                  | M    | 6            | —                   | —  | —  | 1   | —   | —   | 1   | —   | —   | —   | 2   | 1   | —   | —   |
|         |  | F    | 9            | —                   | 3  | 3  | —   | —   | —   | —   | —   | 1   | 2   | —   | —   | —   | —   |
|         | Encephalitis ...                         | M    | 24           | 1                   | 2  | —  | 1   | 3   | 1   | 2   | 2   | 2   | 1   | 3   | 3   | 2   | 1   |
|         |  | F    | 18           | —                   | —  | —  | 1   | 2   | 3   | 3   | 2   | —   | —   | 4   | 3   | —   | —   |
| 61      | Meningitis ...                           | M    | 431          | 36                  | 88 | 53 | 42  | 40  | 24  | 21  | 29  | 24  | 28  | 28  | 14  | 3   | 1   |
|         | including—                               | F    | 409          | 14                  | 96 | 67 | 34  | 47  | 28  | 34  | 22  | 18  | 16  | 14  | 10  | 7   | 2   |
|         | Cerebral meningitis ...                  | M    | 34           | 1                   | 3  | 3  | 4   | 5   | 3   | 2   | 3   | 3   | 3   | 1   | 2   | 1   | —   |
|         |  | F    | 20           | 1                   | 4  | 3  | 1   | 3   | 2   | —   | 1   | 2   | 1   | 2   | —   | —   | —   |
|         | "Meningitis" ...                         | M    | 378          | 35                  | 82 | 47 | 35  | 35  | 18  | 18  | 23  | 20  | 24  | 27  | 12  | 1   | 1   |
|         |  | F    | 365          | 13                  | 89 | 59 | 31  | 40  | 24  | 34  | 19  | 14  | 14  | 10  | 10  | 6   | 2   |
| 62      | Locomotor ataxy ...                      | M    | 14           | —                   | —  | —  | —   | —   | —   | —   | 1   | —   | —   | 3   | 7   | 3   | —   |
|         |  | F    | 4            | —                   | —  | —  | —   | —   | —   | —   | —   | —   | 1   | 1   | 2   | —   | —   |
| 63      | Other diseases of the spinal<br>cord.    | M    | 50           | —                   | —  | —  | 5   | 4   | —   | 3   | 3   | 3   | 6   | 8   | 6   | 6   | 4   |
|         |  | F    | 38           | —                   | —  | 1  | 2   | 3   | 6   | 2   | 3   | —   | 3   | 2   | 10  | 5   | 1   |
| 64A     | Apoplexy ...                             | M    | 18           | —                   | —  | —  | —   | 1   | —   | —   | 1   | —   | 1   | 2   | 4   | 8   | 1   |
|         |  | F    | 12           | —                   | —  | —  | —   | —   | —   | —   | —   | —   | 1   | 3   | 3   | 1   | 4   |
| 64C     | Cerebral congestion ...                  | M    | 12           | 1                   | 1  | —  | 1   | 2   | —   | —   | 1   | —   | 1   | 3   | —   | 1   | 1   |
|         |  | F    | 7            | 1                   | 1  | —  | 1   | —   | —   | —   | 1   | —   | 1   | 1   | —   | 1   | —   |
| 64E     | Cerebral hæmorrhage ...                  | M    | 55           | —                   | 1  | —  | 2   | —   | 2   | —   | 1   | 2   | 1   | 7   | 17  | 13  | 9   |
|         |  | F    | 69           | —                   | —  | —  | —   | 1   | 1   | 3   | 4   | 4   | 4   | 8   | 13  | 20  | 11  |
| 66A     | Hemiplegia ...                           | M    | 17           | —                   | —  | —  | —   | —   | —   | —   | —   | 2   | —   | —   | 5   | 8   | 2   |
|         |  | F    | 29           | —                   | —  | 1  | —   | —   | 3   | —   | —   | 2   | —   | —   | 4   | 7   | 7   |
| 66B     | Paraplegia ...                           | M    | 4            | —                   | —  | —  | —   | —   | —   | —   | —   | —   | —   | 2   | 2   | —   | —   |
|         |  | F    | 6            | —                   | —  | —  | —   | —   | —   | —   | —   | —   | —   | 1   | 2   | 2   | 1   |
| 66C     | Other forms of paralysis ...             | M    | 11           | —                   | —  | 1  | —   | —   | 2   | 1   | —   | —   | —   | 1   | 1   | 4   | 1   |
|         |  | F    | 11           | —                   | —  | —  | —   | —   | —   | —   | —   | 1   | 3   | —   | 2   | 4   | 1   |
| 68      | Other forms of mental<br>alienation.     | M    | 16           | —                   | —  | —  | —   | —   | —   | 1   | 1   | 5   | 3   | 3   | 3   | 2   | —   |
|         |  | F    | 30           | —                   | —  | —  | —   | 1   | 1   | 3   | —   | 4   | 6   | 7   | 2   | 6   | —   |
| 69      | Epilepsy ...                             | M    | 41           | —                   | 1  | 3  | 1   | 3   | 2   | 9   | 8   | 1   | 6   | 1   | 3   | 3   | —   |
|         |  | F    | 38           | —                   | 1  | 1  | 1   | 7   | 2   | 9   | 5   | 2   | —   | 3   | 4   | 3   | —   |
| 70 & 71 | Convulsions...                           | M    | 206          | 97                  | 80 | 16 | 2   | 2   | 4   | —   | 1   | —   | —   | 3   | 1   | —   | —   |
|         |  | F    | 153          | 56                  | 71 | 9  | 5   | 6   | —   | —   | 1   | 2   | 2   | 1   | —   | —   | —   |
| 74A     | Idiocy, Imbecility...                    | M    | 14           | —                   | 1  | —  | —   | 4   | —   | 4   | 1   | 2   | 1   | 1   | —   | —   | 1   |
|         |  | F    | 15           | —                   | 1  | —  | 1   | 5   | 1   | —   | —   | 3   | 1   | 2   | —   | —   | —   |
| 74D     | Other diseases of the<br>nervous system. | M    | 12           | —                   | 1  | —  | —   | 1   | —   | 2   | 3   | 1   | —   | 3   | —   | —   | 1   |
|         |  | F    | 8            | —                   | 1  | —  | —   | 1   | 1   | 1   | —   | 1   | 1   | —   | 1   | —   | 1   |
| 76B     | Other diseases of the ears               | M    | 22           | 2                   | 5  | 2  | —   | 3   | —   | —   | 1   | 1   | 2   | 4   | 1   | —   | 1   |
|         |  | F    | 11           | —                   | 1  | 3  | 2   | 1   | —   | —   | —   | 1   | —   | —   | 3   | —   | —   |
| 77      | Pericarditis ...                         | M    | 32           | —                   | —  | 1  | —   | 5   | 3   | 5   | 3   | 4   | 2   | 4   | 1   | 4   | —   |
|         |  | F    | 26           | —                   | —  | 1  | 2   | —   | 6   | 7   | 3   | 1   | 1   | 3   | 1   | 1   | —   |
| 78A     | Acute myocarditis...                     | M    | 38           | 1                   | 1  | 1  | 1   | 1   | 1   | 6   | 6   | 4   | 3   | 7   | 5   | 1   | —   |
|         |  | F    | 48           | —                   | —  | —  | 1   | 2   | 6   | 9   | 3   | 6   | 6   | 8   | 6   | —   | —   |
| 78B     | Infective endocarditis ...               | M    | 12           | —                   | —  | —  | 1   | 1   | 3   | 2   | 2   | 2   | —   | 1   | —   | —   | —   |
|         |  | F    | 10           | —                   | —  | 1  | —   | —   | 1   | 1   | 3   | 3   | —   | 1   | —   | —   | —   |
| 78C     | Other acute endocarditis ...             | M    | 30           | —                   | 1  | —  | —   | 1   | 1   | 7   | 2   | 3   | 4   | 8   | 2   | —   | 1   |
|         |  | F    | 44           | —                   | 1  | 1  | 4   | 5   | 4   | 4   | 6   | 4   | 3   | 7   | 4   | 1   | —   |
| 79A     | Valvular disease ...                     | M    | 260          | —                   | —  | 7  | 5   | 7   | 15  | 20  | 24  | 13  | 20  | 39  | 44  | 50  | 16  |
|         | including—                               | F    | 411          | —                   | —  | 1  | 7   | 32  | 25  | 37  | 42  | 30  | 40  | 75  | 56  | 48  | 18  |
|         | Aortic regurgitation ...                 | M    | 15           | —                   | —  | —  | —   | 1   | 1   | 1   | 3   | —   | —   | 2   | 2   | —   | 1   |
|         |  | F    | 10           | —                   | —  | —  | —   | —   | —   | 2   | 2   | —   | —   | 3   | 1   | 1   | 1   |
|         | Aortic disease ...                       | M    | 20           | —                   | —  | —  | 1   | —   | —   | 1   | 1   | 1   | 1   | 4   | 5   | 5   | 1   |
|         |  | F    | 7            | —                   | —  | —  | —   | —   | —   | —   | 1   | —   | —   | 1   | 1   | 1   | 3   |
|         | Mitral stenosis ...                      | M    | 11           | —                   | —  | —  | —   | —   | 1   | 3   | 1   | 3   | —   | 1   | 1   | 1   | —   |
|         |  | F    | 41           | —                   | —  | —  | —   | 1   | 3   | 9   | 2   | 10  | 4   | 4   | 7   | 1   | —   |
|         | Mitral regurgitation ...                 | M    | 25           | —                   | —  | —  | 2   | 2   | 2   | 5   | —   | —   | 2   | 5   | 2   | 3   | 4   |
|         |  | F    | 48           | —                   | —  | —  | 1   | 5   | 2   | 4   | 8   | 2   | 2   | 10  | 6   | 6   | 2   |
|         | Mitral disease ...                       | M    | 58           | —                   | —  | 3  | 3   | 2   | 2   | 5   | 5   | 2   | 3   | 8   | 10  | 11  | 4   |
|         |  | F    | 108          | —                   | —  | —  | 2   | 7   | 5   | 8   | 11  | 10  | 10  | 22  | 15  | 14  | 4   |
|         | Chronic endocarditis ...                 | M    | 8            | —                   | —  | —  | —   | —   | —   | 1   | —   | —   | —   | —   | 3   | 3   | —   |
|         |  | F    | 42           | —                   | —  | —  | —   | —   | 1   | —   | —   | 1   | 1   | —   | 2   | 6   | —   |
|         | "Valvular" disease ...                   | M    | 1:1          | —                   | —  | 4  | 1   | 1   | 9   | 9   | 9   | 6   | 10  | 19  | 21  | 26  | 6   |
|         |  | F    | 185          | —                   | —  | 1  | 4   | 19  | 14  | 14  | 17  | 17  | 13  | 35  | 24  | 19  | 8   |
| 79B     | Fatty degeneration of the<br>heart.      | M    | 12           | —                   | —  | —  | —   | —   | —   | —   | —   | —   | —   | 2   | 3   | 1   | 1   |
|         |  | F    | 23           | —                   | —  | —  | —   | —   | —   | —   | 1   | 2   | 2   | 1   | 6   | 8   | 3   |



TABLE XXVII.—CAUSES ASSOCIATED with INFLUENZA : Civilian and Non-Civilian deaths ;  
1st January–10th May, 1919—*continued.*

| No.     | —  | Sex.   | All Ages.      | Under 1 Year. | 1—         | 5—         | 10—        | 15—        | 20—        | 25—            | 30—            | 35—        | 40—        | 45—          | 55—        | 65—        | 75—        |
|---------|--|--------|----------------|---------------|------------|------------|------------|------------|------------|----------------|----------------|------------|------------|--------------|------------|------------|------------|
| 79C     | Other organic disease of the heart, including— | M<br>F | 282<br>371     | —<br>—        | 4<br>2     | 1<br>6     | 2<br>4     | 8<br>17    | 6<br>13    | 10<br>23       | 14<br>25       | 20<br>22   | 17<br>23   | 46<br>58     | 57<br>70   | 73<br>67   | 24<br>47   |
|         | Chronic myocarditis ...                        | M<br>F | 13<br>20       | —<br>—        | —<br>—     | —<br>—     | —<br>—     | —<br>—     | —<br>—     | —<br>—         | —<br>—         | —<br>—     | —<br>—     | 1<br>5       | 3<br>6     | 5<br>9     | 4<br>5     |
|         | Myocardial degeneration ...                    | M<br>F | 44<br>51       | —<br>—        | —<br>—     | —<br>—     | —<br>—     | —<br>—     | —<br>—     | —<br>—         | —<br>—         | —<br>—     | 2<br>1     | 5<br>10      | 7<br>9     | 22<br>16   | 8<br>12    |
|         | Dilatation of heart ...                        | M<br>F | 77<br>96       | —<br>—        | 1<br>1     | —<br>—     | 1<br>1     | 3<br>5     | 4<br>8     | 1<br>9         | 4<br>11        | 7<br>9     | 8<br>14    | 11<br>17     | 21<br>17   | 12<br>10   | 4<br>6     |
|         | Heart disease ...                              | M<br>F | 134<br>192     | —<br>—        | 3<br>1     | 1<br>—     | 1<br>3     | 5<br>12    | 2<br>5     | 8<br>14        | 10<br>12       | 12<br>11   | 7<br>17    | 26<br>32     | 23<br>34   | 29<br>30   | 7<br>21    |
|         | Others under 79C ...                           | M<br>F | 13<br>10       | —<br>—        | —<br>—     | —<br>—     | —<br>—     | —<br>—     | 1<br>—     | —<br>—         | —<br>—         | 1<br>—     | —<br>—     | 3<br>2       | 2<br>4     | 5<br>1     | 1<br>2     |
| 80      | Angina pectoris ...                            | M<br>F | 8<br>6         | —<br>—        | —<br>—     | —<br>—     | —<br>—     | —<br>—     | —<br>—     | —<br>—         | —<br>—         | 3<br>—     | —<br>—     | 2<br>3       | 1<br>—     | 2<br>—     | —<br>2     |
| 77-80   | Heart disease (all forms)...                   | M<br>F | 674<br>939     | 1<br>—        | 6<br>3     | 10<br>4    | 9<br>18    | 23<br>56   | 29<br>56   | 50<br>81       | 51<br>83       | 49<br>78   | 48<br>65   | 112<br>156   | 113<br>143 | 131<br>126 | 42<br>70   |
| 81B     | Arterial sclerosis ...                         | M<br>F | 34<br>21       | —<br>—        | —<br>—     | —<br>—     | —<br>—     | —<br>—     | —<br>—     | —<br>—         | —<br>—         | —<br>—     | 1<br>—     | 4<br>2       | 8<br>6     | 10<br>5    | 11<br>7    |
| 82A     | Cerebral embolism and thrombosis, including—   | M<br>F | 24<br>32       | —<br>—        | —<br>1     | 1<br>—     | 2<br>2     | 3<br>—     | 1<br>5     | 1<br>—         | —<br>—         | 1<br>—     | —<br>2     | 4<br>6       | 4<br>6     | 4<br>4     | 3<br>5     |
|         | Cerebral embolism ...                          | M<br>F | 14<br>18       | —<br>—        | —<br>—     | 1<br>—     | 2<br>2     | 2<br>—     | 1<br>3     | 1<br>—         | —<br>—         | 1<br>—     | —<br>—     | 3<br>5       | 1<br>4     | —<br>1     | 2<br>2     |
|         | Cerebral thrombosis ...                        | M<br>F | 10<br>14       | —<br>—        | —<br>1     | —<br>—     | —<br>—     | 1<br>—     | —<br>2     | —<br>—         | —<br>—         | —<br>—     | —<br>1     | 1<br>1       | 3<br>2     | 4<br>3     | 1<br>3     |
| 82B     | Other embolism and thrombosis, including—      | M<br>F | 12<br>28       | —<br>—        | —<br>—     | —<br>—     | —<br>—     | 1<br>2     | —<br>2     | —<br>2         | —<br>7         | —<br>3     | 1<br>—     | 2<br>7       | 5<br>4     | 2<br>1     | 1<br>—     |
|         | Pulmonary embolism ...                         | M<br>F | 4<br>12        | —<br>—        | —<br>—     | —<br>—     | —<br>—     | —<br>1     | —<br>2     | —<br>1         | —<br>2         | —<br>1     | —<br>—     | 1<br>2       | 2<br>3     | 1<br>1     | —<br>—     |
|         | Others under 82B ...                           | M<br>F | 8<br>16        | —<br>—        | —<br>—     | —<br>—     | —<br>—     | —<br>1     | —<br>1     | —<br>5         | —<br>2         | —<br>—     | —<br>—     | 1<br>5       | 1<br>2     | —<br>—     | —<br>—     |
| 85A     | Functional disease of the heart.               | M<br>F | 3<br>13        | —<br>—        | —<br>—     | —<br>—     | —<br>—     | —<br>—     | 1<br>1     | —<br>2         | —<br>2         | —<br>—     | —<br>—     | —<br>—       | —<br>—     | 2<br>4     | —<br>2     |
| 85B     | Epistaxis ...                                  | M<br>F | 5<br>5         | —<br>—        | 1<br>—     | —<br>—     | —<br>—     | 1<br>—     | —<br>2     | 1<br>1         | —<br>—         | —<br>—     | —<br>—     | —<br>—       | —<br>—     | —<br>—     | —<br>—     |
| 87B     | Laryngitis ...                                 | M<br>F | 44<br>51       | 4<br>3        | 18<br>6    | 6<br>8     | 3<br>2     | 2<br>2     | —<br>8     | 2<br>2         | 1<br>4         | —<br>5     | —<br>1     | 2<br>3       | 2<br>4     | 1<br>2     | 1<br>1     |
| 89 & 90 | Bronchitis ...                                 | M<br>F | 2,154<br>2,656 | 139<br>108    | 149<br>131 | 34<br>30   | 16<br>11   | 31<br>33   | 36<br>80   | 83<br>90       | 87<br>99       | 78<br>70   | 99<br>107  | 318<br>360   | 440<br>490 | 453<br>622 | 191<br>25  |
|         | including—                                     |        |                |               |            |            |            |            |            |                |                |            |            |              |            |            |            |
|         | Bronchiectasis ...                             | M<br>F | 14<br>4        | —<br>—        | —<br>—     | 2<br>—     | 1<br>—     | —<br>—     | —<br>—     | 4<br>1         | —<br>—         | 1<br>—     | 1<br>—     | 3<br>—       | —<br>1     | 2<br>1     | —<br>—     |
|         | Capillary bronchitis ...                       | M<br>F | 105<br>125     | 8<br>10       | 16<br>17   | 1<br>3     | 3<br>—     | 2<br>3     | 7<br>6     | 13<br>11       | 11<br>16       | 8<br>4     | 8<br>8     | 11<br>16     | 12<br>15   | 5<br>12    | —<br>10    |
|         | Other forms of bronchitis                      | M<br>F | 2,035<br>2,527 | 131<br>98     | 133<br>114 | 31<br>27   | 12<br>10   | 29<br>30   | 29<br>74   | 66<br>78       | 76<br>89       | 69<br>66   | 90<br>99   | 304<br>344   | 428<br>474 | 446<br>609 | 191<br>415 |
| 91      | Broncho-pneumonia ...                          | M<br>F | 4,995<br>4,228 | 364<br>228    | 720<br>636 | 206<br>216 | 92<br>87   | 233<br>164 | 411<br>249 | 585<br>476     | 552<br>399     | 329<br>247 | 276<br>188 | 442<br>463   | 397<br>382 | 297<br>325 | 91<br>168  |
| 92A     | Lobar pneumonia ...                            | M<br>F | 1,382<br>1,161 | 17<br>10      | 45<br>48   | 22<br>18   | 31<br>36   | 84<br>68   | 143<br>152 | 233<br>249     | 206<br>181     | 151<br>89  | 115<br>73  | 168<br>104   | 101<br>72  | 48<br>52   | 18<br>9    |
|         | including—                                     |        |                |               |            |            |            |            |            |                |                |            |            |              |            |            |            |
|         | Double pneumonia ...                           | M<br>F | 372<br>330     | 7<br>2        | 13<br>13   | 7<br>5     | 6<br>8     | 23<br>24   | 36<br>50   | 74<br>83       | 62<br>48       | 41<br>28   | 32<br>18   | 42<br>31     | 18<br>14   | 9<br>4     | 2<br>2     |
|         | Other forms of lobar pneumonia.                | M<br>F | 1,010<br>831   | 10<br>8       | 32<br>35   | 15<br>13   | 25<br>28   | 61<br>44   | 107<br>102 | 159<br>166     | 144<br>133     | 110<br>61  | 83<br>55   | 126<br>73    | 83<br>58   | 39<br>48   | 16<br>7    |
| 92B     | Pneumonia (type stated), including—            | M<br>F | 8,770<br>7,650 | 169<br>108    | 512<br>451 | 205<br>205 | 153<br>507 | 514<br>830 | 726<br>830 | 1,287<br>1,275 | 1,247<br>1,058 | 782<br>639 | 645<br>387 | 1,146<br>789 | 752<br>548 | 505<br>431 | 127<br>178 |
|         | Septic pneumonia ...                           | M<br>F | 317<br>240     | 4<br>—        | 10<br>5    | 6<br>1     | 26<br>6    | 26<br>23   | 64<br>32   | 46<br>49       | 29<br>35       | 27<br>28   | 42<br>15   | 18<br>7      | 12<br>9    | 1<br>2     | —<br>—     |
|         | 'Pneumonia' ...                                | M<br>F | 8,441<br>7,395 | 165<br>108    | 501<br>446 | 199<br>243 | 146<br>198 | 488<br>483 | 697<br>798 | 1,222<br>1,223 | 1,201<br>1,021 | 752<br>609 | 617<br>371 | 1,101<br>759 | 733<br>541 | 493<br>421 | 126<br>174 |
|         | Others under 92B ...                           | M<br>F | 12<br>15       | —<br>—        | 1<br>—     | —<br>—     | 1<br>1     | —<br>—     | 3<br>—     | 1<br>3         | —<br>2         | 1<br>2     | 1<br>1     | 3<br>—       | 1<br>—     | —<br>1     | —<br>2     |
| 93A     | Empyema ...                                    | M<br>F | 87<br>42       | —<br>—        | 5<br>4     | 4<br>2     | 3<br>2     | 16<br>7    | 11<br>4    | 5<br>5         | 12<br>5        | 5<br>3     | 6<br>6     | 10<br>3      | 7<br>1     | 2<br>—     | 1<br>—     |
| 93B     | Other pleurisy ...                             | M<br>F | 125<br>134     | —<br>1        | 2<br>4     | 4<br>—     | 1<br>3     | 7<br>9     | 6<br>10    | 14<br>20       | 14<br>20       | 12<br>8    | 12<br>9    | 15<br>18     | 21<br>13   | 12<br>11   | 5<br>8     |
| 94B     | Pulmonary cedema and congestion, including—    | M<br>F | 207<br>226     | 6<br>4        | 12<br>7    | 3<br>6     | 11<br>9    | 6<br>13    | 9<br>24    | 17<br>12       | 16<br>16       | 13<br>17   | 13<br>17   | 26<br>36     | 42<br>33   | 29<br>24   | 11<br>21   |
|         | Pulmonary cedema ...                           | M<br>F | 42<br>44       | —<br>—        | 1<br>—     | —<br>—     | 1<br>2     | —<br>1     | —<br>4     | 4<br>5         | 6<br>3         | 3<br>1     | 3<br>3     | 6<br>10      | 11<br>8    | 5<br>3     | 2<br>3     |
|         | Pulmonary congestion ...                       | M<br>F | 165<br>182     | 6<br>4        | 11<br>7    | 3<br>5     | 11<br>2    | 6<br>8     | 5<br>9     | 11<br>19       | 5<br>9         | 13<br>15   | 10<br>14   | 20<br>26     | 31<br>25   | 24<br>21   | 9<br>18    |
| 94C     | Hypostatic pneumonia ...                       | M<br>F | 11<br>7        | —<br>—        | —<br>—     | —<br>—     | —<br>—     | —<br>—     | —<br>—     | —<br>—         | —<br>—         | —<br>—     | 2<br>—     | 1<br>—       | 2<br>—     | 1<br>—     | 3<br>—     |
| 95      | Gangrene of the lung ...                       | M<br>F | 18<br>7        | —<br>—        | —<br>—     | 2<br>—     | —<br>—     | 1<br>—     | 1<br>2     | 3<br>1         | 2<br>—         | 3<br>—     | 1<br>—     | 2<br>1       | 2<br>—     | 1<br>—     | —<br>1     |
| 96      | Asthma ...                                     | M<br>F | 137<br>116     | —<br>—        | —<br>—     | —<br>2     | 3<br>1     | 1<br>1     | 6<br>6     | 7<br>9         | 7<br>7         | 13<br>5    | 12<br>9    | 39<br>33     | 37<br>18   | 13<br>18   | 5<br>7     |
| 97      | Pulmonary emphysema ...                        | M<br>F | 42<br>14       | —<br>—        | —<br>—     | —<br>—     | —<br>—     | —<br>—     | —<br>2     | 1<br>—         | 2<br>—         | 1<br>—     | 3<br>—     | 11<br>—      | 16<br>4    | 7<br>—     | 1<br>1     |
| 98A     | Fibroid disease of lung ...                    | M<br>F | 9<br>5         | —<br>—        | —<br>—     | —<br>—     | —<br>—     | —<br>—     | —<br>—     | 1<br>—         | 1<br>—         | 3<br>—     | —<br>—     | 2<br>—       | 2<br>—     | —<br>2     | —<br>—     |

TABLE XXVII.—CAUSES ASSOCIATED with INFLUENZA : Civilian and Non-Civilian deaths ;  
1st January -10th May, 1919—*continued.*

| No.     | —  | Sex.   | All<br>Ages.     | Under<br>1<br>Year. | 1—             | 5—         | 10—        | 15—        | 20—            | 25—            | 30—            | 35—            | 40—          | 45—            | 55—            | 65—            | 75—        |
|---------|--|--------|------------------|---------------------|----------------|------------|------------|------------|----------------|----------------|----------------|----------------|--------------|----------------|----------------|----------------|------------|
| 98B     | Other diseases of the respi-<br>ratory system,<br>including— | M<br>F | 47<br>38         | —<br>—              | 2<br>—         | —<br>1     | 1<br>1     | 4<br>2     | 2<br>8         | 9<br>4         | 5<br>6         | 2<br>1         | 4<br>4       | 6<br>6         | 10<br>2        | 1<br>2         | 1<br>1     |
|         | Pulmonary abscess ...  | M<br>F | 13<br>11         | —<br>—              | 1<br>—         | —<br>—     | —<br>—     | —<br>2     | 2<br>3         | 2<br>1         | 3<br>2         | 1<br>1         | —<br>1       | 1<br>4         | 2<br>—         | —<br>—         | 1<br>—     |
|         | Hæmoptysis ...   | M<br>F | 34<br>24         | —<br>—              | 1<br>—         | —<br>1     | 1<br>1     | 4<br>—     | 7<br>5         | 2<br>3         | 1<br>4         | 1<br>—         | 4<br>2       | 5<br>3         | 8<br>2         | 1<br>2         | —<br>1     |
| 86-98   | Respiratory diseases (all<br>forms).                         | M<br>F | 18,032<br>16,359 | 699<br>463          | 1,465<br>1,290 | 486<br>528 | 309<br>353 | 904<br>804 | 1,343<br>1,364 | 2,238<br>2,158 | 2,153<br>1,792 | 1,398<br>1,085 | 1,189<br>802 | 2,190<br>1,823 | 1,832<br>1,573 | 1,371<br>1,499 | 455<br>825 |
| 100A    | Tonsillitis ...  | M<br>F | 11<br>19         | —<br>—              | 1<br>5         | 1<br>1     | —<br>1     | —<br>2     | 1<br>2         | —<br>3         | —<br>—         | 1<br>1         | —<br>1       | —<br>2         | —<br>—         | —<br>1         | —<br>—     |
| 100C    | Other diseases of the<br>pharynx.                            | M<br>F | 3<br>8           | —<br>2              | 1<br>1         | —<br>—     | —<br>—     | 1<br>—     | —<br>—         | —<br>—         | —<br>—         | 3<br>—         | —<br>—       | —<br>—         | —<br>—         | —<br>—         | 1<br>—     |
| 102     | Perforating ulcer of<br>stomach.                             | M<br>F | 5<br>6           | —<br>—              | —<br>—         | —<br>—     | —<br>—     | —<br>—     | —<br>—         | —<br>—         | 2<br>—         | 1<br>—         | —<br>—       | 2<br>2         | 1<br>—         | —<br>—         | —<br>—     |
| 103A    | Inflammation of stomach...                                   | M<br>F | 49<br>56         | 2<br>3              | 3<br>1         | 4<br>7     | 1<br>1     | 2<br>2     | 1<br>1         | 3<br>3         | 5<br>2         | 6<br>5         | 1<br>3       | 7<br>10        | 10<br>6        | 3<br>8         | 1<br>4     |
| 103B    | Other diseases of the<br>stomach.                            | M<br>F | 8<br>12          | 1<br>—              | —<br>—         | —<br>1     | 1<br>1     | —<br>—     | 1<br>—         | 1<br>2         | 1<br>2         | —<br>—         | —<br>1       | —<br>2         | —<br>1         | 1<br>—         | 2<br>—     |
| 104B    | Diarrhoea—Not returned as<br>infective.                      | M<br>F | 43<br>36         | 3<br>3              | 6<br>3         | 2<br>3     | —<br>—     | 2<br>2     | 5<br>1         | 3<br>3         | 3<br>5         | 3<br>2         | —<br>—       | 3<br>3         | 4<br>4         | 8<br>5         | 2<br>2     |
| 104C    | Enteritis—Not returned as<br>infective.                      | M<br>F | 34<br>36         | 4<br>5              | 8<br>5         | 4<br>2     | —<br>3     | 2<br>—     | 1<br>1         | 2<br>5         | 1<br>3         | 3<br>—         | —<br>1       | 3<br>2         | 3<br>2         | 3<br>5         | —<br>2     |
| 104D    | Gastro-enteritis—Not re-<br>turned as infective.             | M<br>F | 34<br>35         | 3<br>3              | 7<br>1         | 4<br>2     | —<br>—     | —<br>1     | 2<br>3         | 2<br>6         | 2<br>3         | 1<br>1         | 1<br>4       | 4<br>4         | 3<br>1         | 2<br>2         | 3<br>4     |
| 105     |  | M<br>F | 9<br>5           | —<br>—              | —<br>—         | 2<br>—     | 1<br>—     | —<br>—     | 2<br>—         | —<br>—         | 2<br>1         | —<br>1         | 1<br>—       | —<br>—         | —<br>—         | 1<br>—         | —<br>—     |
| 108     | Appendicitis ...   | M<br>F | 7<br>5           | —<br>—              | —<br>—         | —<br>—     | —<br>—     | 1<br>—     | 1<br>—         | —<br>—         | 1<br>—         | 1<br>—         | 2<br>—       | —<br>—         | 1<br>—         | —<br>—         | —<br>—     |
| 110     | Other diseases of the intes-<br>tines.                       | M<br>F | 25<br>7          | —<br>—              | —<br>—         | 1<br>—     | —<br>—     | —<br>—     | 2<br>1         | 2<br>—         | 5<br>—         | 2<br>—         | 2<br>—       | 6<br>—         | 3<br>—         | 2<br>—         | —<br>—     |
| 115     | Other diseases of the liver                                  | M<br>F | 10<br>22         | —<br>1              | —<br>—         | 1<br>—     | —<br>—     | 2<br>—     | 3<br>3         | 2<br>—         | 1<br>—         | 1<br>—         | —<br>—       | 5<br>—         | 4<br>—         | 2<br>—         | 3<br>—     |
| 117     | Peritonitis ...  | M<br>F | 15<br>10         | —<br>—              | —<br>—         | 3<br>—     | —<br>—     | 2<br>—     | 1<br>3         | 3<br>—         | —<br>—         | 1<br>—         | 1<br>—       | 3<br>—         | 1<br>—         | —<br>—         | —<br>—     |
| 119     | Acute nephritis ...  | M<br>F | 55<br>30         | 1<br>2              | 2<br>3         | 2<br>3     | —<br>—     | 8<br>4     | 3<br>2         | 5<br>1         | 6<br>3         | 7<br>4         | 2<br>3       | 13<br>1        | —<br>2         | 6<br>2         | —<br>—     |
| 120     | Bright's disease ...   | M<br>F | 130<br>104       | 1<br>—              | 1<br>1         | 1<br>1     | 1<br>2     | 4<br>4     | 2<br>11        | 10<br>7        | 11<br>8        | 8<br>8         | 8<br>7       | 13<br>20       | 29<br>21       | 32<br>10       | 9<br>4     |
|         | including—<br>Albuminuria ...                                | M<br>F | 10<br>4          | —<br>—              | —<br>—         | —<br>—     | —<br>—     | —<br>—     | —<br>—         | 2<br>—         | 1<br>—         | 2<br>—         | 1<br>—       | 2<br>—         | —<br>—         | —<br>—         | —<br>—     |
|         | Bright's disease ...   | M<br>F | 13<br>8          | —<br>—              | —<br>—         | —<br>—     | —<br>—     | —<br>—     | 1<br>—         | 1<br>—         | 1<br>—         | 1<br>—         | —<br>—       | 1<br>—         | 3<br>—         | 5<br>—         | 1<br>—     |
|         | Chronic nephritis ...  | M<br>F | 32<br>37         | —<br>—              | —<br>1         | —<br>—     | —<br>—     | 1<br>—     | 2<br>1         | —<br>4         | 3<br>3         | 1<br>3         | 1<br>3       | 10<br>11       | 6<br>4         | 9<br>4         | 2<br>1     |
|         | Nephritis ...  | M<br>F | 45<br>37         | —<br>—              | —<br>—         | —<br>—     | —<br>—     | 2<br>1     | 6<br>5         | 3<br>4         | 3<br>2         | 3<br>3         | 4<br>6       | 4<br>5         | 9<br>4         | 10<br>4        | 3<br>1     |
|         | Uræmia ...   | M<br>F | 20<br>12         | 1<br>—              | 1<br>—         | —<br>—     | 1<br>—     | 1<br>—     | —<br>3         | —<br>1         | 3<br>—         | 1<br>2         | 1<br>—       | 3<br>—         | 3<br>—         | 4<br>—         | 1<br>—     |
|         | Others under 120 ...   | M<br>F | 10<br>6          | —<br>—              | —<br>—         | —<br>—     | 1<br>—     | —<br>—     | 1<br>—         | —<br>—         | —<br>—         | —<br>—         | 1<br>—       | —<br>—         | 2<br>—         | 4<br>—         | 2<br>—     |
| 134A    | Abortion ...   | M<br>F | 263<br>—         | —<br>—              | —<br>—         | —<br>—     | —<br>—     | 3<br>—     | 43<br>84       | 84<br>73       | 73<br>42       | 42<br>15       | 15<br>3      | —<br>—         | —<br>—         | —<br>—         | —<br>—     |
| 134E    | Other accidents of preg-<br>nancy.                           | M<br>F | 42<br>—          | —<br>—              | —<br>—         | —<br>—     | —<br>—     | —<br>—     | 5<br>15        | 16<br>—        | 16<br>—        | 4<br>—         | 1<br>—       | —<br>—         | —<br>—         | —<br>—         | —<br>—     |
| 136     | Other accidents of child-<br>birth.                          | M<br>F | 224<br>—         | —<br>—              | —<br>—         | —<br>—     | —<br>—     | 4<br>—     | 33<br>72       | 72<br>61       | 61<br>35       | 35<br>18       | 18<br>—      | —<br>—         | —<br>—         | —<br>—         | —<br>—     |
| 137     | Puerperal fever ...  | M<br>F | 10<br>—          | —<br>—              | —<br>—         | —<br>—     | —<br>—     | —<br>—     | 1<br>5         | —<br>1         | —<br>3         | —<br>—         | —<br>—       | —<br>—         | —<br>—         | —<br>—         | —<br>—     |
| 134-141 | All accidents of pregnancy<br>and childbirth.                | M<br>F | 565<br>—         | —<br>—              | —<br>—         | —<br>—     | —<br>—     | 7<br>—     | 88<br>181      | 181<br>158     | 158<br>89      | 89<br>37       | 37<br>5      | —<br>—         | —<br>—         | —<br>—         | —<br>—     |
| 144B    | Acute abscess ...  | M<br>F | 7<br>6           | 1<br>—              | —<br>—         | —<br>—     | 2<br>—     | —<br>—     | —<br>—         | —<br>—         | 1<br>—         | 2<br>—         | —<br>—       | 1<br>—         | 1<br>—         | 1<br>—         | —<br>—     |
| 146     | Diseases of the bones ...                                    | M<br>F | 6<br>4           | 1<br>—              | —<br>—         | 1<br>—     | —<br>—     | 2<br>—     | 1<br>—         | 1<br>—         | —<br>—         | —<br>—         | —<br>—       | 1<br>—         | —<br>—         | —<br>—         | —<br>—     |
| 150C    | Congenital malformation of<br>heart.                         | M<br>F | 9<br>11          | 1<br>1              | 2<br>1         | 1<br>3     | —<br>2     | 4<br>2     | 1<br>—         | —<br>1         | —<br>1         | —<br>—         | —<br>—       | —<br>—         | —<br>—         | —<br>—         | —<br>—     |
|         | Battle (wounds &c.) ...                                      | M<br>F | 22<br>—          | —<br>—              | —<br>—         | —<br>—     | —<br>—     | 4<br>—     | 7<br>—         | 8<br>—         | —<br>—         | —<br>—         | —<br>—       | 1<br>—         | —<br>—         | —<br>—         | —<br>—     |
| 187     | Dropsy ...   | M<br>F | 11<br>11         | —<br>—              | —<br>—         | —<br>—     | —<br>—     | —<br>—     | —<br>2         | —<br>—         | 1<br>—         | 1<br>—         | 1<br>—       | —<br>3         | 5<br>3         | 3<br>1         | 1<br>—     |
| 189C    | Teething ...   | M<br>F | 9<br>4           | 5<br>—              | 4<br>—         | —<br>—     | —<br>—     | —<br>—     | —<br>—         | —<br>—         | —<br>—         | —<br>—         | —<br>—       | —<br>—         | —<br>—         | —<br>—         | —<br>—     |
| 189D    | Pyrexia ...  | M<br>F | 25<br>28         | 1<br>—              | 6<br>—         | 1<br>—     | 1<br>—     | 1<br>—     | 1<br>6         | 7<br>5         | 2<br>3         | 2<br>4         | —<br>—       | 3<br>2         | 1<br>3         | —<br>4         | —<br>1     |
| 189E    | Other ill-defined causes ...                                 | M<br>F | 29<br>33         | —<br>—              | —<br>1         | —<br>1     | —<br>—     | 3<br>2     | —<br>4         | 5<br>4         | 2<br>3         | 3<br>2         | 3<br>3       | 4<br>5         | 3<br>1         | 4<br>4         | 1<br>3     |

LIST SUPPLEMENTARY TO TABLE XXVII. 1st January—10th May, 1919.

*Types.*—Malignant influenza 30; bilateral influenza 25; cyanotic influenza 20; meningeal influenza 1; cerebral influenza 10, 25; cerebro-spinal influenza 1; bronchial influenza 60; pulmonary influenza 20; abdominal influenza 5, 50, 4; gastro-intestinal influenza 25, 60; Spanish influenza 25.

*Contributory causes.*—1. Enteric fever 30, 65, 10. 3B. Malta fever 40. 6. Measles 5, 0, 3, 3, 3, 40. 7. Scarlet fever 0, 2, 25, 25. 9C. Croup 4, 4, 5. 14. Dysentery 20, 20, 25, 30, 60. 18. Erysipelas 50, 50, 80, 0, 1. 19A. Mumps 50, 65. 19C. Varicella 5, 35. 19D. Trench fever 20. 31A. Tabes mesenterica 5, 20. 33. Tuberculosis of joints 15, 20. 34A. Lupus 55, 60, 45. 34C. Tuberculous adenitis of axilla 65, tuberculous cystitis 35. 35. Disseminated tuberculosis



LIST SUPPLEMENTARY TO TABLE XXVII.—*continued.*

5, 10, 2, 10, 25, 40, 40, 50. 36A. Rickets 0, 15, 4, 5, 10. 36B. Other forms of bone softening 15, 20, 25, 15, 30. 41. Cancer of the intestines and rectum 65, 55. 42. Cancer of the female genital organs 40, 50, 60, 60, 60, 65. 43. Cancer of the breast 40, 45, 55, 55, 55, 55, 65, 65. 44. Cancer of the skin 80. 45. Cancer of other or unspecified organs 25, 35, 60, 65, 70, 70. 46C. Abdominal growth 65. 48C. Gout 60, 60, 60, 75, 75. 52. Addison's disease 30, 35, 80. 53A. Leucocythæmia (leuchæmia) 35, 10. 53B. Lymphadenoma 5, 55, 60. (54). Splenic anæmia 40; Kala azar 25; chlorosis 45, 25, 40. (55D.) Acidosis 1; infantilism 35. 56. Alcoholism 25, 35, 45, 50, 50, 55, 75, 45, 50. 57A. Occupational lead poisoning 50. (60.) Cerebral abscess 1, 10, 20, 20, 25, 45, 10, 25, 35; cerebritis 15, 30, 45. (61.) Posterior basal meningitis 1, 2, 5, 10, 65, 5, 5, 15; cerebro-spinal meningitis 5, 5, 10, 10, 20, 4, 5, 10, 35; leptomeningitis 5, 30; pneumococcal meningitis 3, 20, 25, 30, 30, 30, 35, 45; purulent meningitis 35, 70; septic meningitis 40, 2, 3, 5, 15, 15, 15, 20, 40; suppurative meningitis 10; meningoencephalitis 20, 30, 20, 45. (63.) Polioencephalitis 10, 20; poliomyelitis 15, 40, 5, 10, 15, 20, 55. 64B. Serous apoplexy and œdema of brain 5, 45, 25, 35. 65. Softening of brain 60, 65, 65, 25, 55, 60, 60, 75. 67. General paralysis of the insane 35, 35, 40, 50, 50, 50. 72. Chorea 5, 80, 5, 15, 15, 30, 50. 73A. Hysteria, Neuralgia, Sciatica 55, 60, 70, 80. 73B. Neuritis 30, 50, 55, 5, 25, 40, 55, 75. 74B. Cretinism 5. 74C. Cerebral tumour 60, 40. 75. Keratitis 30. 76A. Mastoid disease 5, 10, 15, 65, 10, 50. (79A.) Aortic stenosis 65; tricuspid regurgitation 15. (79C.) Hypertrophy 55, 70, 75. 81A. Aneurysm 40, 50, 55, 55, 65. 83A. Phlebitis 60, 65, 65, 80, 30, 35, 45, 50, 80. 83B. Varix 40, 40. 84A. Status lymphaticus 10. 84B. Other diseases of the lymphatic system 50, 50, 60, 5, 20. 85C. Hæmorrhage 30, 25, 40, 55. 86. Diseases of the nasal fossæ 1, 2. 87A. Laryngismus stridulus 3, 5. 88. Goitre 10, 25, 55, 55, 60, 65, 70, 80; myxœdema 15, 55, 70; others under 88—35, 45, 80. 94A. Pulmonary apoplexy and infarction 35, 45, 55, 30, 35, 45, 70. 94D. Collapse of lung 60, 0, 70. 99A. Diseases of the teeth and gums 1, 3, 3, 3, 25, 60, 3, 3, 75. 99B. Thrush, Aphthous stomatitis 15, 1. 99C. Parotitis 10, 50, 55, 60, 70, 40. 101. Diseases of œsophagus 60, 75, 35, 70. 104A. Infective enteritis 5, 30, 80. 104F. Colic 30, 35. 104G. Ulceration of intestines 20. 104H. Duodenal ulcer 20, 35. 107. Ascaris lumbricoides 2. 109A. Hernia 0, 60, 65, 65, 70, 70. 109B. Intestinal obstruction 50, 50, 60, 60, 30, 50, 75. 111. Acute yellow atrophy of liver 15, 35. 113A. Cirrhosis of the liver (not returned as alcoholic) 40, 55, 55, 60, 65, 50, 60. 113C. Fatty degeneration of liver 40. 114. Biliary calculi 30, 65, 75. 116A. Infarction of spleen 55. 116B. Other diseases of the spleen 20, 25, 60. 118A. Abdominal abscess, Sub-phrenic abscess 4, 20, 20. 118B. Pancreatitis 70. 122C. Suppression of urine 30. 122D. Other diseases of the kidney and annexa 5, 25, 30, 50, 65, 40. 123. Calculi of the urinary passages 60. 124. Diseases of the bladder 45, 45, 50, 55, 55, 60, 65, 70, 75. 126. Diseases of the prostate 60, 75. 128B. Uterine hæmorrhage 25. 129. Uterine tumour (non-cancerous) 25, 40, 50. 130A. Menopause 50. 132B. Salpingitis 35. 134C. Uncontrollable vomiting of pregnancy 20. 135. Puerperal hæmorrhage 25, 30, 30, 30, 30, 30, 35, 35, 40. 138A. Puerperal nephritis and uræmia 20, 25, 30, 40. 138C. Puerperal convulsions 20, 20, 30, 40. 139A. Puerperal phlegmasia alba dolens, and phlebitis 20, 20, 25, 35. 139B. Puerperal pulmonary embolism 35. 140. Puerperal insanity 25, 35. 141. Puerperal abscess of breast 25. 142A. Senile gangrene 60, 80, 60, 70, 70. 142B. Noma, gangrene of mouth 5, 4, 4, 5. 142D. Other gangrene 25, 30, 40, 45, 50, 55. 143. Carbuncle, Boil 20, 30, 35, 35, 45, 25. 144A. Phlegmon 55, 40, 70. 145A. Ulcer, Bedsore 35, 50, 55, 20, 60. 145B. Eczema 0, 75. 145D. Other diseases of integumentary system 1, 55. 147. Diseases of the joints 10, 45, 45, 80. 148. Amputation 30. 149. Other diseases of locomotor system 20, 50, 60, 50. 150A. Congenital hydrocephalus 1, 2, 4, 15, 30, 3, 4. 150B. Phimosi 0. 150D. Congenital deformity 30. 151A. Premature birth 0, 0, 0, 0, 0, 0, 0, 0. 154A. Senile dementia 50, 65, 70, 70, 70, 70, 70, 60, 65. 156. Suicide by coal gas 70. 158. Suicide by drowning 55, 25, 25, 70. 160. Suicide by cutting or piercing instruments 30, 35, 35, 40, 40, 45, 65. 161. Suicide by jumping from high place 30, 30, 40. 162. Suicide by jumping before train 20. 167. Burns 1, 3, 5, 40, 50, 5. 172. Injury by fall 40, 45, 50, 70, 55, 55, 65, 70, 80. 173. Injury in mines and quarries 15, 15, 20, 20, 50. 174. Injury by machine 55. 185. Fractured femur 15. (186.) Injury to head 10.

TABLE XXVIII.—CAUSES OF DEATH certified in ASSOCIATION with INFLUENZA in ADMINISTRATIVE AREAS: by Quarters.\*

(Civilian deaths only.)

| Administrative Area.  | July—September, 1918. |                 |               |                |             |            | October—December, 1918. |               |                 |               |                |             | January—March, 1919. |                       |               |                 |               |                |             |            |                       |
|-----------------------|-----------------------|-----------------|---------------|----------------|-------------|------------|-------------------------|---------------|-----------------|---------------|----------------|-------------|----------------------|-----------------------|---------------|-----------------|---------------|----------------|-------------|------------|-----------------------|
|                       | Total deaths.         | No other cause. | Tuberculosis. | Heart disease. | Bronchitis. | Pneumonia. | Puerperal conditions.   | Total deaths. | No other cause. | Tuberculosis. | Heart disease. | Bronchitis. | Pneumonia.           | Puerperal conditions. | Total deaths. | No other cause. | Tuberculosis. | Heart disease. | Bronchitis. | Pneumonia. | Puerperal conditions. |
| LONDON ... ..         | 959                   | 102             | 3             | 139            | 98          | 549        | 13                      | 12,102        | 740             | 283           | 481            | 1,057       | 9,360                | 138                   | 3,603         | 280             | 70            | 170            | 427         | 2,558      | 38                    |
| City of London ... .. | 3                     | —               | —             | 2              | —           | 1          | 1                       | 40            | 1               | 5             | 1              | 5           | 28                   | —                     | 9             | —               | —             | —              | —           | 8          | —                     |
| Battersea ... ..      | 38                    | 4               | —             | 3              | 6           | 22         | —                       | 565           | 27              | 13            | 27             | 42          | 444                  | 17                    | 151           | 9               | 1             | 15             | 13          | 105        | 2                     |
| Bermondsey ... ..     | 30                    | 2               | —             | 8              | 6           | 14         | 1                       | 400           | 15              | 10            | 17             | 39          | 319                  | 5                     | 99            | 4               | 3             | 4              | 15          | 74         | —                     |
| Bethnal Green ... ..  | 42                    | 2               | —             | 4              | 2           | 30         | 2                       | 376           | 21              | 18            | 8              | 40          | 288                  | 3                     | 74            | 4               | 2             | 4              | 19          | 47         | —                     |
| Camberwell ... ..     | 70                    | 10              | —             | 17             | 9           | 32         | —                       | 775           | 45              | 24            | 29             | 61          | 589                  | 7                     | 183           | 17              | 4             | 11             | 21          | 128        | 1                     |
| Chelsea ... ..        | 11                    | 3               | —             | —              | 1           | 6          | —                       | 200           | 13              | 4             | 10             | 15          | 156                  | 2                     | 83            | 13              | 1             | 2              | 13          | 51         | 2                     |
| Deptford ... ..       | 16                    | —               | 1             | 3              | 2           | 13         | —                       | 339           | 18              | 11            | 15             | 20          | 268                  | 8                     | 61            | 6               | 3             | 2              | 8           | 39         | —                     |
| Finsbury ... ..       | 21                    | 1               | —             | 5              | 1           | 10         | —                       | 242           | 44              | 3             | 8              | 21          | 158                  | 1                     | 50            | 9               | 2             | 2              | 6           | 29         | 1                     |
| Fulham ... ..         | 41                    | 4               | —             | 2              | 4           | 29         | 1                       | 443           | 20              | 9             | 22             | 35          | 351                  | 5                     | 118           | 6               | 3             | 8              | 14          | 88         | 3                     |
| Greenwich ... ..      | 34                    | 2               | —             | 3              | 3           | 21         | —                       | 310           | 9               | 6             | 12             | 32          | 243                  | 1                     | 70            | 6               | 1             | —              | 5           | 55         | —                     |
| Hackney ... ..        | 48                    | 9               | —             | 8              | 4           | 22         | 1                       | 663           | 37              | 14            | 26             | 62          | 507                  | 7                     | 139           | 8               | 3             | 9              | 17          | 105        | 6                     |
| Hammersmith ... ..    | 19                    | 3               | —             | 4              | 2           | 8          | —                       | 273           | 26              | 5             | 11             | 23          | 201                  | 5                     | 93            | 10              | 2             | 5              | 10          | 57         | 1                     |
| Hampstead ... ..      | 5                     | 1               | —             | 1              | 1           | 2          | —                       | 148           | 7               | 2             | 3              | 10          | 117                  | 2                     | 79            | 3               | 1             | 7              | 14          | 53         | —                     |
| Holborn ... ..        | 10                    | 1               | —             | 4              | 2           | 3          | —                       | 126           | 28              | 1             | 1              | 7           | 91                   | —                     | 42            | 2               | 1             | 1              | 6           | 28         | —                     |
| Islington ... ..      | 65                    | 6               | —             | 9              | 9           | 41         | 1                       | 853           | 36              | 13            | 35             | 68          | 697                  | 14                    | 303           | 29              | 8             | 8              | 33          | 218        | 3                     |

\* For the quarters ending in December and in March all deaths associated in certification with influenza are included in the table; but for that ending in September only deaths allocated to influenza as their primary cause. This affects chiefly the numbers associated with tuberculosis (see page 33).



TABLE XXVIII.—CAUSES of DEATH certified in ASSOCIATION with INFLUENZA—*continued*.  
(Civilian deaths only.)

| Administrative Area.       | July—September, 1918. |                 |               |                |             |            | October—December, 1918. |               |                 |               |                |             | January—March, 1919. |                       |               |                 |               |                |             |            |                       |
|----------------------------|-----------------------|-----------------|---------------|----------------|-------------|------------|-------------------------|---------------|-----------------|---------------|----------------|-------------|----------------------|-----------------------|---------------|-----------------|---------------|----------------|-------------|------------|-----------------------|
|                            | Total deaths.         | No other cause. | Tuberculosis. | Heart disease. | Bronchitis. | Pneumonia. | Puerperal conditions.   | Total deaths. | No other cause. | Tuberculosis. | Heart disease. | Bronchitis. | Pneumonia.           | Puerperal conditions. | Total deaths. | No other cause. | Tuberculosis. | Heart disease. | Bronchitis. | Pneumonia. | Puerperal conditions. |
| LONDON—cont.               |                       |                 |               |                |             |            |                         |               |                 |               |                |             |                      |                       |               |                 |               |                |             |            |                       |
| Kensington ... ..          | 21                    | 3               | —             | 4              | —           | 9          | —                       | 305           | 41              | 4             | 24             | 21          | 214                  | 2                     | 125           | 15              | —             | 5              | 10          | 84         | —                     |
| Lambeth ... ..             | 70                    | 10              | —             | 13             | 5           | 37         | 2                       | 761           | 66              | 16            | 31             | 59          | 573                  | 8                     | 237           | 6               | 4             | 3              | 26          | 180        | 2                     |
| Lewisham ... ..            | 15                    | 1               | —             | 5              | 2           | 5          | —                       | 403           | 14              | 7             | 15             | 42          | 316                  | 3                     | 115           | 8               | 3             | 4              | 14          | 78         | 2                     |
| Paddington ... ..          | 25                    | 1               | —             | 5              | 1           | 17         | —                       | 326           | 18              | 4             | 16             | 36          | 242                  | 7                     | 138           | 8               | 1             | 7              | 26          | 94         | —                     |
| Poplar ... ..              | 33                    | 6               | 1             | 4              | 1           | 19         | —                       | 498           | 32              | 14            | 20             | 47          | 381                  | 4                     | 113           | 17              | 1             | 4              | 8           | 79         | 3                     |
| St. Marylebone ... ..      | 24                    | 3               | —             | 2              | 2           | 15         | —                       | 263           | 11              | 14            | 3              | 27          | 212                  | 1                     | 115           | 7               | —             | 7              | 17          | 88         | —                     |
| St. Pancras ... ..         | 62                    | 4               | —             | 6              | 7           | 41         | 3                       | 654           | 33              | 22            | 24             | 60          | 509                  | 1                     | 217           | 15              | 7             | 10             | 26          | 165        | 1                     |
| Shoreditch ... ..          | 22                    | —               | —             | 4              | 2           | 12         | —                       | 271           | 14              | 10            | 5              | 21          | 214                  | 5                     | 96            | 8               | 4             | 4              | 15          | 61         | 1                     |
| Southwark ... ..           | 45                    | 9               | —             | 4              | 9           | 17         | —                       | 532           | 38              | 9             | 23             | 49          | 412                  | 6                     | 137           | 15              | 3             | 8              | 16          | 88         | 2                     |
| Stepney ... ..             | 73                    | 6               | —             | 6              | 7           | 51         | —                       | 652           | 35              | 12            | 31             | 79          | 493                  | 5                     | 151           | 10              | 2             | 8              | 28          | 101        | —                     |
| Stoke Newington ... ..     | 13                    | 2               | —             | 2              | 4           | 4          | —                       | 112           | 5               | 1             | 4              | 11          | 86                   | 2                     | 41            | 2               | —             | 1              | 5           | 31         | 1                     |
| Wandsworth ... ..          | 46                    | 3               | —             | 4              | 2           | 31         | —                       | 798           | 45              | 18            | 21             | 44          | 643                  | 10                    | 271           | 23              | 2             | 24             | 19          | 188        | 6                     |
| Westminster ... ..         | 30                    | 3               | —             | 2              | 2           | 22         | 1                       | 341           | 21              | 5             | 18             | 45          | 264                  | 4                     | 187           | 6               | 4             | 5              | 15          | 153        | —                     |
| Woolwich ... ..            | 27                    | 3               | 1             | 5              | 2           | 15         | —                       | 431           | 20              | 9             | 21             | 36          | 341                  | 3                     | 106           | 4               | 4             | 2              | 8           | 83         | 1                     |
| COUNTY BOROUGH.            |                       |                 |               |                |             |            |                         |               |                 |               |                |             |                      |                       |               |                 |               |                |             |            |                       |
| Barnsley ... ..            | 35                    | 2               | 1             | —              | —           | 28         | —                       | 194           | 14              | 2             | 1              | 16          | 148                  | —                     | 109           | 10              | 4             | 3              | 18          | 64         | —                     |
| Barrow-in-Furness ... ..   | 28                    | 3               | —             | 1              | 2           | 20         | —                       | 200           | 25              | 2             | 3              | 11          | 151                  | 4                     | 96            | 13              | 3             | 2              | 7           | 68         | 4                     |
| Bath ... ..                | 8                     | —               | —             | 1              | —           | 5          | —                       | 138           | 15              | 11            | 6              | 15          | 88                   | —                     | 40            | 5               | 1             | 3              | 6           | 21         | —                     |
| Birkenhead ... ..          | 44                    | 7               | —             | 1              | 3           | 29         | 1                       | 421           | 26              | 6             | 6              | 19          | 352                  | 4                     | 162           | 8               | 2             | 3              | 17          | 125        | 6                     |
| Birmingham ... ..          | 325                   | 44              | 1             | 24             | 44          | 190        | 4                       | 1,834         | 160             | 30            | 44             | 148         | 1,385                | 27                    | 853           | 96              | 9             | 36             | 95          | 576        | 10                    |
| Blackburn ... ..           | 64                    | 12              | 1             | 8              | 7           | 29         | 1                       | 271           | 39              | 2             | 1              | 25          | 186                  | 3                     | 176           | 13              | 4             | 2              | 25          | 119        | 3                     |
| Blackpool... ..            | 18                    | 3               | —             | 2              | 5           | 7          | —                       | 110           | 13              | —             | —              | 12          | 74                   | 1                     | 78            | 11              | —             | 1              | 17          | 44         | 3                     |
| Bolton ... ..              | 101                   | 9               | —             | 9              | 9           | 60         | 3                       | 275           | 30              | 4             | 13             | 27          | 181                  | 5                     | 279           | 54              | 2             | 11             | 30          | 181        | 1                     |
| Bootle ... ..              | 24                    | 1               | —             | 1              | 1           | 17         | 2                       | 216           | 7               | 4             | 3              | 9           | 186                  | 6                     | 116           | 5               | 1             | 2              | 10          | 95         | 1                     |
| Bournemouth ... ..         | 10                    | 1               | —             | —              | —           | 7          | —                       | 95            | 7               | 7             | 6              | 6           | 64                   | 2                     | 74            | 8               | 3             | 6              | 12          | 46         | 1                     |
| Bradford ... ..            | 103                   | 16              | —             | 19             | 14          | 44         | 3                       | 617           | 61              | 6             | 29             | 62          | 429                  | 7                     | 564           | 58              | 6             | 27             | 117         | 327        | 12                    |
| Brighton ... ..            | 20                    | —               | —             | 3              | 7           | 8          | —                       | 343           | 19              | 12            | 10             | 19          | 270                  | 3                     | 155           | 17              | 5             | 8              | 18          | 102        | 3                     |
| Bristol ... ..             | 82                    | 7               | —             | 10             | 10          | 52         | —                       | 955           | 64              | 27            | 47             | 80          | 720                  | 8                     | 371           | 27              | 14            | 19             | 38          | 256        | 4                     |
| Burnley ... ..             | 63                    | 11              | —             | 3              | 11          | 31         | 1                       | 192           | 25              | 1             | —              | 35          | 115                  | 2                     | 85            | 6               | 1             | 4              | 9           | 58         | 2                     |
| Burton-upon-Trent ... ..   | 10                    | 3               | —             | —              | 1           | 1          | —                       | 206           | 29              | 6             | 10             | 34          | 108                  | 3                     | 23            | 5               | —             | 1              | 4           | 13         | —                     |
| Bury ... ..                | 31                    | 3               | 1             | 1              | 6           | 17         | —                       | 106           | 12              | 3             | 6              | 12          | 73                   | —                     | 118           | 10              | —             | 2              | 13          | 87         | —                     |
| Canterbury ... ..          | 2                     | 1               | —             | 1              | —           | —          | —                       | 71            | 3               | —             | 2              | 5           | 53                   | 2                     | 29            | 1               | —             | 4              | 2           | 22         | —                     |
| Carlisle ... ..            | 29                    | 3               | —             | 4              | 1           | 17         | 1                       | 83            | 4               | —             | 1              | 7           | 67                   | —                     | 32            | 5               | —             | 1              | 2           | 20         | —                     |
| Chester ... ..             | 20                    | 3               | —             | 1              | 2           | 11         | —                       | 78            | 10              | 1             | 2              | 5           | 54                   | 2                     | 30            | 2               | 1             | 1              | —           | 23         | 1                     |
| Coventry ... ..            | 26                    | 2               | —             | 1              | 1           | 19         | 2                       | 439           | 44              | 11            | 11             | 44          | 316                  | 10                    | 25            | 1               | 1             | 2              | 3           | 17         | —                     |
| Croydon ... ..             | 32                    | 6               | —             | 2              | 4           | 19         | —                       | 449           | 25              | 14            | 22             | 29          | 351                  | 7                     | 109           | 6               | 1             | 2              | 8           | 83         | 3                     |
| Darlington ... ..          | 40                    | 4               | —             | 4              | —           | 22         | 2                       | 128           | 17              | 2             | 5              | 11          | 83                   | 1                     | 91            | 12              | —             | 3              | 10          | 57         | 1                     |
| Derby ... ..               | 36                    | 9               | —             | 1              | 6           | 12         | —                       | 342           | 63              | 3             | 9              | 40          | 192                  | 10                    | 115           | 15              | 1             | 2              | 19          | 71         | 5                     |
| Dewsbury ... ..            | 29                    | 3               | —             | —              | 6           | 16         | 1                       | 154           | 7               | 1             | 2              | 18          | 113                  | 2                     | 77            | 7               | 2             | 1              | 25          | 37         | 2                     |
| Dudley ... ..              | 24                    | 3               | —             | 1              | 8           | 8          | 1                       | 111           | 23              | —             | —              | 9           | 74                   | 2                     | 25            | 11              | 2             | —              | 1           | 10         | —                     |
| Eastbourne ... ..          | 8                     | 2               | —             | 1              | 1           | 1          | —                       | 84            | 7               | 3             | —              | 12          | 61                   | 2                     | 63            | 7               | 2             | 5              | 10          | 34         | —                     |
| East Ham... ..             | 38                    | 5               | —             | 5              | 1           | 24         | —                       | 455           | 38              | 14            | 3              | 31          | 352                  | 5                     | 72            | 6               | —             | 1              | 9           | 51         | 3                     |
| Exeter ... ..              | 5                     | —               | —             | 1              | —           | 2          | —                       | 129           | 19              | 2             | 4              | 16          | 84                   | 1                     | 60            | 15              | 2             | 3              | 9           | 33         | 1                     |
| Gateshead ... ..           | 54                    | 14              | 1             | 3              | 4           | 21         | 1                       | 206           | 25              | 2             | 1              | 9           | 165                  | 3                     | 150           | 22              | 2             | 1              | 10          | 110        | 1                     |
| Gloucester ... ..          | 16                    | 2               | —             | 1              | —           | 8          | —                       | 150           | 11              | 8             | 5              | 11          | 103                  | 2                     | 52            | 6               | 2             | 2              | 7           | 32         | —                     |
| Great Yarmouth ... ..      | 13                    | 1               | —             | 1              | 1           | 8          | —                       | 150           | 22              | 5             | 2              | 10          | 103                  | 6                     | 66            | 8               | —             | 3              | 15          | 35         | —                     |
| Grimsby ... ..             | 25                    | 2               | —             | 5              | 4           | 13         | —                       | 189           | 33              | 1             | 4              | 9           | 113                  | 6                     | 43            | 2               | —             | 3              | 8           | 27         | —                     |
| Halifax ... ..             | 30                    | 4               | —             | 1              | 4           | 23         | —                       | 232           | 37              | 1             | 6              | 15          | 158                  | 1                     | 96            | 12              | 2             | 5              | 13          | 60         | 1                     |
| Hastings ... ..            | 3                     | —               | —             | —              | —           | 1          | —                       | 139           | 13              | 5             | 8              | 8           | 101                  | 2                     | 47            | 4               | 2             | 3              | 3           | 32         | 1                     |
| Huddersfield ... ..        | 81                    | 10              | —             | 5              | 16          | 46         | 4                       | 116           | 14              | 1             | 3              | 11          | 82                   | —                     | 164           | 25              | —             | 7              | 15          | 112        | 1                     |
| Ipswich ... ..             | 9                     | 2               | 1             | —              | 1           | 4          | 1                       | 189           | 20              | 7             | 1              | 12          | 143                  | 5                     | 68            | 3               | 4             | —              | 9           | 48         | 1                     |
| Kingston-upon-Hull ... ..  | 86                    | 18              | —             | 3              | 13          | 46         | 2                       | 897           | 128             | 10            | 14             | 76          | 616                  | 10                    | 287           | 73              | 1             | 4              | 29          | 161        | 3                     |
| Leeds ... ..               | 164                   | 24              | —             | 18             | 22          | 88         | 3                       | 1,222         | 150             | 44            | 37             | 110         | 778                  | 16                    | 552           | 53              | 10            | 17             | 91          | 337        | 10                    |
| Leicester ... ..           | 78                    | 11              | —             | 4              | 11          | 43         | 2                       | 819           | 67              | 22            | 31             | 45          | 612                  | 11                    | 290           | 27              | 7             | 14             | 38          | 181        | 4                     |
| Lincoln ... ..             | 8                     | 2               | —             | 1              | 1           | 3          | —                       | 176           | 8               | 3             | 6              | 27          | 122                  | 2                     | 52            | 10              | —             | —              | 5           | 34         | 2                     |
| Liverpool ... ..           | 160                   | 21              | —             | 10             | 13          | 93         | 2                       | 1,324         | 89              | 18            | 29             | 97          | 1,055                | 23                    | 1,134         | 99              | 13            | 23             | 115         | 853        | 12                    |
| Manchester ... ..          | 333                   | 34              | 2             | 18             | 36          | 226        | 3                       | 1,678         | 112             | 43            | 46             | 188         | 1,238                | 15                    | 933           | 80              | 21            | 35             | 125         | 645        | 9                     |
| Middlesbrough ... ..       | 78                    | 8               | —             | 2              | 5           | 58         | —                       | 291           | 28              | —             | 1              | 7           | 231                  | 5                     | 136           | 15              | 5             | 1              | 7           | 102        | 2                     |
| Newcastle-upon-Tyne ... .. | 123                   | 14              | —             | 7              | 8           | 89         | 1                       | 560           | 55              | 10            | 13             | 33          | 428                  | 9                     | 579           | 52              | 9             | 15             | 57          | 428        | 6                     |
| Newport (Mon.)... ..       | 31                    | 1               | —             | 1              | 2           | 19         | 1                       | 107           | 4               | 3             | 6              | 8           | 76                   | 3                     | 98            | 8               | —             | 3              | 11          | 70         | 1                     |
| Northampton ... ..         | 8                     | 4               | —             | —              | 1           | 2          | —                       | 205           | 4               | 8             | 6              | 10          | 164                  | 3                     | 47            | 5               | 1             | 3              | 12          | 25         | 1                     |
| Norwich ... ..             | 6                     | 3               | —             | —              | 1           | 1          | —                       | 315           | 34              | 2             | 1              | 23          | 230                  | 7                     | 77            | 9               | 1             | 4              | 12          | 48         | —                     |
| Nottingham ... ..          | 74                    | 4               | —             | 2              | 8           | 52         | 2                       | 1,090         | 112             | 25            | 24             | 95          | 810                  | 7                     | 205           | 16              | 5             | 5              | 24          | 153        | 3                     |
| Oldham ... ..              | 101                   | 15              | —             | 14             | 12          | 53         | —                       | 360           | 31              | 2             | 7              | 59          | 227                  | 7                     | 136           | 19              | —             | 4              | 20          | 75         | 1                     |
| Oxford ... ..              | 11                    | 4               | —             | 1              | 4           | 3          | —                       | 214           | 15              | 2             | 4              | 21          | 162                  | 4                     | 25            | 2               | 1             | 1              | 3           | 18         | 1                     |
| Plymouth ... ..            | 53                    | 13              | —             | 4              | 2           | 25         | 1                       | 429           | 33              | 7             | 16             | 30          | 315                  | 16                    | 126           | 11              | 1             | 5              | 13          | 80         | 2                     |
| Portsmouth ... ..          | 39                    | 5               | —             | 5              | 9           | 18         | 1                       | 624           | 65              | 8             | 27             |             |                      |                       |               |                 |               |                |             |            |                       |



TABLE XXVIII.—CAUSES of DEATH certified in ASSOCIATION with INFLUENZA—*continued*.  
(Civilian deaths only.)

|  |          | July—September, 1918. |                 |               |                |             |            | October—December, 1918. |               |                 |               |                |             | January—March, 1919. |                       |               |                 |               |                |             |            |                       |
|--|----------|-----------------------|-----------------|---------------|----------------|-------------|------------|-------------------------|---------------|-----------------|---------------|----------------|-------------|----------------------|-----------------------|---------------|-----------------|---------------|----------------|-------------|------------|-----------------------|
| Administrative Area.   |          | Total deaths.         | No other cause. | Tuberculosis. | Heart disease. | Bronchitis. | Pneumonia. | Puerperal conditions.   | Total deaths. | No other cause. | Tuberculosis. | Heart disease. | Bronchitis. | Pneumonia.           | Puerperal conditions. | Total deaths. | No other cause. | Tuberculosis. | Heart disease. | Bronchitis. | Pneumonia. | Puerperal conditions. |
| COUNTY BOROUGHES   |          |                       |                 |               |                |             |            |                         |               |                 |               |                |             |                      |                       |               |                 |               |                |             |            |                       |
| —cont.   |          |                       |                 |               |                |             |            |                         |               |                 |               |                |             |                      |                       |               |                 |               |                |             |            |                       |
| Sunderland ...   | ...      | 78                    | 9               | —             | 4              | 4           | 47         | 2                       | 576           | 64              | 7             | 6              | 29          | 448                  | 16                    | 195           | 22              | 8             | 4              | 15          | 132        | 4                     |
| Tynemouth ...  | ...      | 17                    | 4               | —             | —              | 2           | 8          | —                       | 144           | 11              | 1             | 3              | 16          | 105                  | 2                     | 103           | 11              | —             | 2              | 10          | 74         | —                     |
| Wakefield ...  | ...      | 29                    | 4               | —             | 6              | 4           | 13         | —                       | 90            | 9               | 1             | 1              | 14          | 58                   | 2                     | 116           | 6               | 1             | 5              | 32          | 64         | —                     |
| Wallasey ...   | ...      | 14                    | 3               | —             | 2              | 1           | 8          | —                       | 192           | 10              | 3             | 10             | 11          | 154                  | 3                     | 136           | 2               | 1             | 4              | 8           | 118        | 1                     |
| Walsall ...  | ...      | 65                    | 7               | —             | 1              | 3           | 51         | 3                       | 306           | 34              | 6             | 2              | 27          | 219                  | 8                     | 63            | 9               | —             | 3              | 6           | 42         | 1                     |
| Warrington ...   | ...      | 52                    | 3               | —             | 1              | 7           | 33         | —                       | 214           | 23              | 1             | 8              | 8           | 164                  | 4                     | 129           | 5               | 3             | 3              | 13          | 102        | 2                     |
| West Bromwich ...  | ...      | 50                    | 11              | —             | 1              | 7           | 30         | —                       | 302           | 24              | 3             | 5              | 18          | 230                  | 6                     | 100           | 16              | 1             | 2              | 7           | 72         | 2                     |
| West Ham ...   | ...      | 97                    | 10              | 2             | 3              | 20          | 55         | 4                       | 957           | 93              | 10            | 2              | 96          | 721                  | 11                    | 206           | 19              | 4             | 8              | 24          | 144        | 1                     |
| West Hartlepool ...  | ...      | 30                    | 1               | —             | —              | 1           | 26         | 1                       | 222           | 11              | 1             | 2              | 16          | 180                  | 2                     | 93            | 5               | —             | —              | 9           | 71         | 3                     |
| Wigan ...  | ...      | 47                    | 7               | —             | —              | 8           | 29         | —                       | 184           | 14              | —             | —              | 18          | 144                  | 2                     | 152           | 21              | 1             | 4              | 26          | 93         | —                     |
| Wolverhampton ...  | ...      | 28                    | 6               | —             | —              | 2           | 15         | —                       | 350           | 32              | 2             | 4              | 30          | 267                  | 3                     | 169           | 13              | 2             | 6              | 22          | 119        | 3                     |
| Worcester ...  | ...      | 10                    | —               | —             | 2              | 2           | 8          | —                       | 148           | 7               | 4             | 8              | 12          | 116                  | —                     | 32            | 1               | 1             | —              | 4           | 23         | —                     |
| York ...   | ...      | 19                    | 5               | —             | 2              | 1           | 11         | —                       | 200           | 34              | 3             | 7              | 10          | 131                  | 4                     | 46            | 6               | —             | 3              | 10          | 24         | —                     |
| Cardiff ...  | ...      | 48                    | 4               | —             | 5              | 3           | 25         | —                       | 454           | 23              | 10            | 17             | 28          | 350                  | 10                    | 173           | 9               | 5             | 5              | 21          | 125        | 3                     |
| Merthyr Tydfil ...   | ...      | 39                    | 7               | —             | 2              | 2           | 19         | —                       | 124           | 18              | 2             | 2              | 9           | 83                   | 1                     | 57            | 6               | —             | 1              | 6           | 37         | 1                     |
| Swansea ...  | ...      | 22                    | 4               | —             | 3              | 3           | 10         | —                       | 238           | 40              | —             | 5              | 23          | 198                  | 8                     | 126           | 18              | 4             | 4              | 7           | 80         | 4                     |
| OTHER LARGE TOWNS WITH POPULATIONS EXCEEDING 50,000 PERSONS (included in the Urban Districts of the counties below). |          |                       |                 |               |                |             |            |                         |               |                 |               |                |             |                      |                       |               |                 |               |                |             |            |                       |
| Aberdare, U.D. ...   | ...      | 25                    | 2               | —             | 3              | 3           | 12         | —                       | 104           | 7               | 4             | 5              | 14          | 66                   | 3                     | 55            | 10              | 1             | 1              | 3           | 30         | 2                     |
| Acton, U.D. ...  | ...      | 9                     | 1               | —             | —              | —           | 6          | —                       | 176           | 8               | 2             | 2              | 19          | 146                  | 2                     | 35            | 6               | 1             | —              | 2           | 23         | 1                     |
| Cambridge, M.B. ...  | ...      | 3                     | —               | —             | —              | —           | 1          | —                       | 122           | 10              | 4             | 2              | 11          | 95                   | 2                     | 30            | 4               | 2             | 1              | 3           | 17         | —                     |
| Ealing, M.B. ...   | ...      | 9                     | 2               | —             | 1              | —           | 4          | —                       | 150           | 12              | 1             | 10             | 13          | 116                  | 2                     | 60            | 6               | 1             | 2              | 9           | 42         | 1                     |
| Edmonton, U.D. ...   | ...      | 15                    | —               | —             | 1              | 1           | 10         | 1                       | 203           | 20              | 2             | 10             | 8           | 157                  | 1                     | 50            | 10              | —             | 6              | 1           | 30         | 1                     |
| Enfield, U.D. ...  | ...      | 7                     | —               | —             | 1              | —           | 4          | 1                       | 143           | 9               | 4             | 6              | 6           | 118                  | 3                     | 46            | 5               | 1             | 1              | 4           | 35         | —                     |
| Gillingham, M.B. ...   | ...      | 9                     | —               | —             | —              | 1           | 5          | 1                       | 100           | 14              | 2             | 5              | 5           | 64                   | 4                     | 20            | 2               | 1             | —              | 1           | 12         | —                     |
| Hornsey, M.B. ...  | ...      | 14                    | 1               | —             | 2              | 1           | 8          | —                       | 203           | 18              | 6             | 13             | 18          | 157                  | 1                     | 78            | 11              | 1             | 1              | 5           | 52         | 1                     |
| Ilford, U.D. ...   | ...      | 13                    | 1               | —             | 2              | 2           | 5          | —                       | 236           | 17              | 3             | —              | 26          | 176                  | 1                     | 54            | 5               | 3             | —              | 6           | 42         | 2                     |
| Leyton, U.D. ...   | ...      | 16                    | 3               | —             | —              | 1           | 10         | —                       | 337           | 43              | 6             | 4              | 28          | 230                  | 8                     | 98            | 12              | 1             | 5              | 8           | 67         | 2                     |
| Rhondda, U.D. ...  | ...      | 121                   | 15              | —             | 15             | 16          | 61         | 1                       | 306           | 20              | 2             | 14             | 38          | 192                  | 7                     | 126           | 10              | 1             | 5              | 17          | 80         | 3                     |
| Stockton on Tees, M.B. ...   | ...      | 36                    | 4               | 1             | 4              | 2           | 22         | 1                       | 190           | 11              | —             | 5              | 24          | 136                  | 7                     | 50            | 9               | —             | 2              | 4           | 35         | 2                     |
| Swindon, M.B. ...  | ...      | 9                     | 4               | —             | —              | —           | 3          | 1                       | 127           | 10              | 2             | 5              | 11          | 97                   | 2                     | 18            | 1               | —             | 2              | —           | 16         | 1                     |
| Tottenham, U.D. ...  | ...      | 64                    | 6               | —             | 5              | 2           | 48         | 1                       | 393           | 34              | 7             | 16             | 23          | 314                  | 4                     | 104           | 13              | —             | 6              | 15          | 71         | 4                     |
| Walthamstow, U.D. ...  | ...      | 20                    | 1               | —             | 2              | 3           | 10         | 1                       | 384           | 43              | 12            | 6              | 26          | 283                  | 10                    | 55            | 4               | —             | 2              | 2           | 43         | 1                     |
| Willesden, U.D. ...  | ...      | 38                    | 4               | 1             | 3              | 8           | 18         | 1                       | 497           | 21              | 8             | 25             | 47          | 394                  | 6                     | 93            | 8               | 1             | 3              | 14          | 59         | —                     |
| Wimbledon, M.B. ...  | ...      | 10                    | 2               | —             | —              | 1           | 7          | —                       | 135           | 10              | 3             | 5              | 16          | 98                   | 1                     | 53            | 5               | —             | 1              | 3           | 40         | 2                     |
| COUNTIES.  |          |                       |                 |               |                |             |            |                         |               |                 |               |                |             |                      |                       |               |                 |               |                |             |            |                       |
| Bedfordshire ...   | { U.D.'s | 13                    | 1               | —             | 1              | 1           | 7          | —                       | 301           | 23              | 9             | 17             | 28          | 208                  | 8                     | 43            | 5               | —             | 2              | 3           | 30         | 1                     |
|  | { R.D.'s | 5                     | 1               | —             | —              | —           | 4          | —                       | 218           | 27              | 4             | 1              | 21          | 155                  | 2                     | 37            | 7               | —             | 2              | 3           | 23         | —                     |
| Berkshire ...  | { U.D.'s | 4                     | —               | —             | —              | —           | 5          | —                       | 174           | 9               | 4             | 11             | 23          | 130                  | 2                     | 44            | 4               | 3             | 2              | 5           | 33         | —                     |
|  | { R.D.'s | 15                    | 3               | —             | —              | 3           | 4          | —                       | 309           | 20              | 6             | 10             | 33          | 227                  | 6                     | 89            | 10              | —             | 5              | 11          | 57         | —                     |
| Buckinghamshire ...  | { U.D.'s | 17                    | 1               | —             | 1              | 4           | 10         | —                       | 260           | 21              | 7             | 8              | 35          | 184                  | 8                     | 61            | 3               | 1             | 3              | 3           | 42         | 1                     |
|  | { R.D.'s | 12                    | 3               | —             | 1              | —           | 6          | —                       | 435           | 42              | 5             | 14             | 48          | 309                  | 6                     | 80            | 10              | 3             | 3              | 11          | 41         | 2                     |
| Cambridgeshire ...   | { U.D.'s | 3                     | —               | —             | —              | 1           | —          | —                       | 122           | 10              | 4             | 2              | 11          | 95                   | 2                     | 30            | 4               | 2             | 1              | 3           | 17         | —                     |
|  | { R.D.'s | 4                     | 1               | —             | —              | —           | 3          | —                       | 183           | 21              | 8             | 7              | 14          | 127                  | 2                     | 36            | 6               | 1             | 2              | 4           | 23         | —                     |
| Cheshire ...   | { U.D.'s | 137                   | 16              | —             | 6              | 15          | 94         | 2                       | 1,009         | 102             | 13            | 41             | 61          | 757                  | 18                    | 541           | 68              | 7             | 20             | 52          | 375        | 7                     |
|  | { R.D.'s | 31                    | 3               | —             | 3              | 1           | 23         | —                       | 485           | 20              | 3             | 14             | 37          | 385                  | 12                    | 238           | 18              | 1             | 10             | 28          | 170        | 2                     |
| Cornwall ...   | { U.D.'s | 19                    | 2               | —             | 1              | 5           | 9          | 1                       | 203           | 21              | 5             | 8              | 11          | 127                  | 3                     | 84            | 7               | 2             | 6              | 10          | 55         | 3                     |
|  | { R.D.'s | 28                    | 5               | —             | 1              | 2           | 8          | 1                       | 328           | 23              | 9             | 9              | 30          | 223                  | 7                     | 120           | 20              | 6             | 6              | 15          | 61         | 1                     |
| Cumberland ...   | { U.D.'s | 54                    | 10              | 1             | 1              | 6           | 30         | 3                       | 307           | 39              | 3             | 8              | 36          | 196                  | 6                     | 137           | 25              | —             | 6              | 19          | 80         | 2                     |
|  | { R.D.'s | 16                    | 3               | —             | 1              | 2           | 6          | —                       | 271           | 44              | 3             | 5              | 23          | 173                  | 7                     | 114           | 24              | 3             | 4              | 8           | 64         | 3                     |
| Derbyshire ...   | { U.D.'s | 115                   | 24              | —             | 7              | 12          | 55         | 2                       | 830           | 68              | 10            | 21             | 92          | 593                  | 8                     | 261           | 35              | 4             | 8              | 51          | 151        | 4                     |
|  | { R.D.'s | 73                    | 12              | —             | 3              | 4           | 40         | 1                       | 796           | 88              | 19            | 14             | 71          | 553                  | 29                    | 279           | 38              | 6             | 12             | 28          | 168        | 5                     |
| Devonshire ...   | { U.D.'s | 22                    | 5               | —             | 3              | 3           | 8          | —                       | 395           | 25              | 14            | 25             | 24          | 282                  | 3                     | 110           | 14              | 2             | 5              | 10          | 71         | 1                     |
|  | { R.D.'s | 17                    | 2               | —             | 2              | 1           | 7          | 1                       | 371           | 55              | 8             | 15             | 24          | 249                  | 9                     | 147           | 16              | 2             | 3              | 12          | 98         | 1                     |
| Dorsetshire ...  | { U.D.'s | 11                    | —               | —             | 1              | 1           | 2          | 1                       | 235           | 14              | 5             | 19             | 15          | 175                  | 6                     | 89            | 7               | 2             | 6              | 5           | 63         | —                     |
|  | { R.D.'s | 14                    | 6               | —             | —              | —           | 2          | —                       | 155           | 18              | 2             | 7              | 7           | 111                  | 2                     | 115           | 12              | 1             | 7              | 9           | 79         | 2                     |
| Durham ...   | { U.D.'s | 283                   | 41              | 3             | 19             | 23          | 156        | 7                       | 1,476         | 134             | 26            | 20             | 111         | 1,100                | 28                    | 655           | 91              | 13            | 9              | 58          | 441        | 6                     |
|  | { R.D.'s | 235                   | 38              | —             | 13             | 13          | 124        | 5                       | 1,144         | 129             | 22            | 20             | 62          | 827                  | 28                    | 510           | 82              | 9             | 11             | 49          | 317        | 9                     |
| Ely, Isle of ...   | { U.D.'s | 2                     | 1               | —             | —              | —           | —          | —                       | 104           | 14              | 3             | 7              | 12          | 68                   | 3                     | 16            | 2               | —             | —              | 2           | 7          | —                     |
|  | { R.D.'s | 3                     | 2               | —             | —              | 1           | —          | —                       | 94            | 13              | 1             | 5              | 6           | 61                   | 2                     | 18            | 3               | 1             | —              | 2           | 10         | 1                     |
| Essex ...  | { U.D.'s | 93                    | 11              | —             | 9              | 13          | 49         | 4                       | 1,718         | 188             | 29            | 19             | 136         | 1,257                | 30                    | 415           | 60              | 12            | 14             | 32          | 275        | 12                    |
|  | { R.D.'s | 23                    | 2               | —             | 2              | 1           | 10         | —                       | 631           | 84              | 12            | 2              | 60          | 435                  | 8                     | 158           | 21              | 1             | 6              | 17          | 101        | 1                     |
| Gloucestershire ...  | { U.D.'s | 15                    | 1               | —             | 2              | 3           | 9          | 1                       | 300           | 26              | 8             | 9              | 24          | 226                  | 3                     | 61            | 5               | —             | 5              | 11          | 35         | —                     |
|  | { R.D.'s | 21                    | 5               | —             | 2              | 2           | 6          | —                       | 509           | 50              | 13            | 18             | 34          | 367                  | 12                    | 188           | 26              | 6             | 5              | 28          | 106        | —                     |
| Herefordshire ...  | { U.D.'s | 10                    | 5               | —             | —              | 1           | 4          | —                       | 82            | 6               | 1             | 5              | 2           | 61                   | 4                     | 19            | 5               | —             | 1              | 1           | 11         | —                     |
|  | { R.D.'s | 6                     | 2               | —             | —              | 1           | 3          | —                       | 162           | 20              | 4             | 9              | 16          | 112                  | 3                     | 69            | 4               | 2             | 2              | 10          | 48         | 1                     |
| Hertfordshire ...  | { U.D.'s | 30                    | 4               | —             | 4              | 2           | 12         | 1                       | 514           | 40              | 10            | 34             | 42          | 383                  | 15                    | 162           | 9               | 4             | 13             | 18          | 107        | 2                     |
|  | { R.D.'s | 11                    | —               | —             | 1              | —           | 9          | —                       | 250           | 18              | 5             | 9              | 16          | 192                  | 3                     | 60            | 3               | 3             | 5              | 4           | 46         | 4                     |
| Huntingdonshire ...  | { U.D.'s | 1                     |                 |               |                |             |            |                         |               |                 |               |                |             |                      |                       |               |                 |               |                |             |            |                       |

TABLE XXVIII.—CAUSES of DEATH certified in ASSOCIATION with INFLUENZA—*continued*.  
(Civilian deaths only.)

| Administrative Area.             |        | July—September, 1918. |                 |               |                |             |            | October—December, 1918. |               |                 |               |                |             | January—March, 1919. |                       |               |                 |               |                |             |            |                       |
|----------------------------------|--------|-----------------------|-----------------|---------------|----------------|-------------|------------|-------------------------|---------------|-----------------|---------------|----------------|-------------|----------------------|-----------------------|---------------|-----------------|---------------|----------------|-------------|------------|-----------------------|
|                                  |        | Total deaths.         | No other cause. | Tuberculosis. | Heart disease. | Bronchitis. | Pneumonia. | Puerperal conditions.   | Total deaths. | No other cause. | Tuberculosis. | Heart disease. | Bronchitis. | Pneumonia.           | Puerperal conditions. | Total deaths. | No other cause. | Tuberculosis. | Heart disease. | Bronchitis. | Pneumonia. | Puerperal conditions. |
| COUNTIES—cont.                   |        |                       |                 |               |                |             |            |                         |               |                 |               |                |             |                      |                       |               |                 |               |                |             |            |                       |
| Lincolnshire (pts. of Kesteven). | U.D.'s | 7                     | 3               | —             | —              | 1           | 3          | —                       | 135           | 17              | 2             | 4              | 10          | 99                   | —                     | 23            | 4               | 2             | 1              | 2           | 10         | 1                     |
| Lincolnshire (pts. of Kesteven). | R.D.'s | 8                     | 1               | —             | —              | 1           | 4          | 1                       | 233           | 32              | 2             | 3              | 26          | 154                  | —                     | 51            | 17              | 3             | 2              | 5           | 18         | —                     |
| Lincolnshire (pts. of Lindsey).  | U.D.'s | 35                    | 4               | —             | 1              | 2           | 23         | —                       | 328           | 47              | 8             | 10             | 27          | 223                  | 7                     | 80            | 10              | 2             | 2              | 10          | 46         | 2                     |
| Lincolnshire (pts. of Lindsey).  | R.D.'s | 25                    | 5               | —             | 5              | 2           | 11         | 3                       | 451           | 59              | 12            | 17             | 27          | 308                  | 12                    | 138           | 30              | 1             | 3              | 17          | 72         | 1                     |
| London admin. county...          | U.D.'s | 959                   | 102             | 3             | 139            | 98          | 549        | 13                      | 12,102        | 740             | 283           | 481            | 1,057       | 9,360                | 138                   | 3,603         | 280             | 70            | 170            | 427         | 2,558      | 38                    |
| Middlesex                        | R.D.'s | 231                   | 20              | 1             | 24             | 24          | 137        | 4                       | 2,999         | 207             | 51            | 136            | 229         | 2,340                | 40                    | 855           | 106             | 10            | 35             | 91          | 567        | 16                    |
| Monmouthshire                    | U.D.'s | 3                     | 1               | —             | —              | —           | —          | —                       | 126           | 9               | 2             | 5              | 11          | 99                   | 3                     | 30            | 8               | —             | 1              | 2           | 17         | —                     |
| Monmouthshire                    | R.D.'s | 142                   | 22              | —             | 8              | 9           | 80         | 1                       | 536           | 42              | 9             | 18             | 46          | 366                  | 10                    | 171           | 19              | 4             | 8              | 14          | 108        | 5                     |
| Norfolk                          | U.D.'s | 7                     | —               | —             | 1              | —           | 5          | —                       | 87            | 7               | 1             | 6              | 4           | 64                   | 1                     | 59            | 10              | —             | 2              | 5           | 39         | —                     |
| Norfolk                          | R.D.'s | 3                     | —               | —             | —              | —           | 3          | —                       | 189           | 29              | 4             | 1              | 16          | 124                  | 1                     | 30            | 7               | 2             | 2              | 7           | 13         | —                     |
| Northamptonshire                 | U.D.'s | 15                    | —               | —             | 1              | 3           | 5          | 1                       | 542           | 64              | 8             | 3              | 46          | 382                  | 16                    | 163           | 25              | 1             | 8              | 24          | 93         | 3                     |
| Northamptonshire                 | R.D.'s | 15                    | 3               | —             | 1              | —           | 7          | 1                       | 190           | 27              | 6             | 12             | 8           | 131                  | 3                     | 109           | 21              | 2             | 2              | 8           | 65         | 3                     |
| Northumberland                   | U.D.'s | 117                   | 18              | —             | 5              | 11          | 71         | 1                       | 723           | 117             | 13            | 15             | 55          | 471                  | 10                    | 318           | 52              | 3             | 8              | 32          | 233        | 6                     |
| Northumberland                   | R.D.'s | 23                    | 1               | 1             | 1              | 1           | 14         | —                       | 252           | 30              | 3             | 7              | 12          | 179                  | 7                     | 89            | 10              | 3             | 5              | 9           | 58         | 2                     |
| Nottinghamshire                  | U.D.'s | 71                    | 7               | —             | 3              | 7           | 45         | 2                       | 903           | 103             | 9             | 20             | 71          | 654                  | 15                    | 179           | 24              | 2             | 5              | 20          | 114        | 3                     |
| Nottinghamshire                  | R.D.'s | 39                    | 5               | —             | 2              | 1           | 24         | —                       | 502           | 51              | 11            | 9              | 46          | 372                  | 13                    | 110           | 7               | 3             | 5              | 20          | 67         | —                     |
| Oxfordshire                      | U.D.'s | 7                     | 1               | —             | 1              | 3           | 2          | —                       | 93            | 14              | 4             | 5              | 10          | 58                   | 1                     | 31            | 4               | 2             | 1              | 9           | 14         | 1                     |
| Oxfordshire                      | R.D.'s | 2                     | —               | —             | —              | —           | —          | —                       | 311           | 35              | 2             | 5              | 25          | 226                  | 1                     | 68            | 11              | 2             | 3              | 15          | 32         | —                     |
| Peterborough, Soke of            | U.D.'s | 5                     | —               | —             | 1              | 1           | 4          | 1                       | 74            | 3               | 3             | 3              | 11          | 56                   | 2                     | 33            | 2               | —             | 1              | 10          | 17         | —                     |
| Peterborough, Soke of            | R.D.'s | 1                     | —               | —             | —              | —           | 1          | —                       | 22            | —               | 1             | 2              | 2           | 17                   | —                     | 6             | —               | —             | —              | 2           | 3          | —                     |
| Rutlandshire                     | U.D.'s | 2                     | 1               | —             | —              | —           | —          | —                       | 26            | 3               | —             | —              | 1           | 21                   | 1                     | 3             | 2               | —             | —              | —           | 1          | —                     |
| Rutlandshire                     | R.D.'s | 2                     | 1               | —             | —              | —           | 1          | —                       | 68            | 8               | 3             | 3              | 7           | 45                   | —                     | 6             | 3               | —             | —              | 1           | 2          | —                     |
| Shropshire                       | U.D.'s | 52                    | 6               | —             | —              | 15          | 30         | 2                       | 306           | 32              | 5             | 7              | 30          | 208                  | —                     | 145           | 9               | 3             | 5              | 22          | 96         | 1                     |
| Shropshire                       | R.D.'s | 15                    | 4               | —             | 2              | 1           | 4          | —                       | 325           | 27              | 8             | 18             | 27          | 240                  | 6                     | 169           | 21              | 2             | 8              | 27          | 102        | 4                     |
| Somersetshire                    | U.D.'s | 27                    | 2               | —             | 4              | 3           | 14         | —                       | 397           | 34              | 5             | 15             | 28          | 299                  | 5                     | 134           | 13              | 3             | 8              | 19          | 78         | —                     |
| Somersetshire                    | R.D.'s | 12                    | 3               | —             | —              | 1           | 5          | —                       | 402           | 43              | 9             | 17             | 23          | 287                  | 6                     | 202           | 22              | 3             | 9              | 29          | 123        | 1                     |
| Southampton                      | U.D.'s | 24                    | 3               | —             | 3              | 2           | 11         | 1                       | 365           | 33              | 9             | 17             | 24          | 274                  | 6                     | 162           | 15              | 2             | 6              | 12          | 117        | 2                     |
| Southampton                      | R.D.'s | 15                    | 2               | 1             | 1              | 2           | 7          | —                       | 430           | 29              | 8             | 12             | 27          | 320                  | 14                    | 169           | 16              | 2             | 6              | 26          | 106        | 1                     |
| Staffordshire                    | U.D.'s | 262                   | 40              | 1             | 8              | 24          | 161        | 4                       | 1,485         | 201             | 22            | 26             | 95          | 1,079                | 22                    | 539           | 84              | 4             | 13             | 71          | 325        | 10                    |
| Staffordshire                    | R.D.'s | 52                    | 8               | —             | 3              | 7           | 28         | 1                       | 592           | 35              | 11            | 16             | 52          | 451                  | 11                    | 219           | 29              | 3             | 10             | 29          | 134        | 4                     |
| Suffolk, East                    | U.D.'s | 4                     | 1               | —             | —              | 1           | —          | 1                       | 136           | 16              | 3             | —              | 12          | 97                   | 4                     | 59            | 6               | 2             | 5              | 6           | 40         | —                     |
| Suffolk, East                    | R.D.'s | 7                     | 2               | —             | —              | —           | 1          | —                       | 244           | 32              | 5             | —              | 10          | 172                  | 7                     | 106           | 20              | 3             | 7              | 4           | 61         | —                     |
| Suffolk, West                    | U.D.'s | 4                     | 1               | —             | 1              | —           | 2          | —                       | 97            | 7               | 3             | —              | 9           | 76                   | 3                     | 32            | 6               | 1             | 2              | —           | 20         | 1                     |
| Suffolk, West                    | R.D.'s | 6                     | 1               | —             | —              | —           | 3          | —                       | 196           | 18              | 4             | 1              | 15          | 145                  | 5                     | 33            | 11              | 2             | 2              | 1           | 15         | 1                     |
| Surrey                           | U.D.'s | 73                    | 10              | —             | 7              | 9           | 42         | —                       | 1,135         | 61              | 26            | 49             | 84          | 876                  | 27                    | 404           | 34              | 4             | 15             | 41          | 295        | 7                     |
| Surrey                           | R.D.'s | 20                    | 3               | —             | 4              | 6           | 4          | —                       | 285           | 16              | 11            | 24             | 26          | 208                  | 7                     | 102           | 6               | 1             | 5              | 15          | 72         | 3                     |
| Sussex, East                     | U.D.'s | 20                    | 1               | —             | 1              | 2           | 11         | —                       | 281           | 14              | 5             | 7              | 25          | 210                  | 5                     | 95            | 9               | 7             | 7              | 10          | 58         | 1                     |
| Sussex, East                     | R.D.'s | 15                    | 3               | —             | —              | 1           | 6          | —                       | 294           | 39              | 6             | 10             | 15          | 215                  | 8                     | 91            | 11              | —             | 2              | 7           | 61         | 3                     |
| Sussex, West                     | U.D.'s | 6                     | 1               | —             | —              | 1           | 3          | —                       | 214           | 23              | 8             | 7              | 16          | 148                  | 6                     | 59            | 4               | 3             | 3              | 3           | 42         | 1                     |
| Sussex, West                     | R.D.'s | 8                     | 2               | —             | 2              | —           | —          | —                       | 153           | 22              | —             | 9              | 16          | 94                   | 5                     | 90            | 5               | —             | 1              | 10          | 68         | 4                     |
| Warwickshire                     | U.D.'s | 28                    | 3               | —             | 4              | 4           | 13         | —                       | 466           | 41              | 5             | 14             | 35          | 337                  | 7                     | 99            | 8               | 2             | 7              | 11          | 67         | 1                     |
| Warwickshire                     | R.D.'s | 27                    | 7               | —             | 1              | 2           | 12         | 1                       | 572           | 64              | 8             | 23             | 41          | 429                  | 14                    | 125           | 25              | 7             | 3              | 8           | 75         | 1                     |
| Westmorland                      | U.D.'s | 10                    | —               | —             | —              | 1           | 9          | —                       | 64            | 8               | 2             | 2              | 6           | 42                   | 1                     | 18            | 6               | —             | —              | 1           | 9          | —                     |
| Westmorland                      | R.D.'s | 5                     | 2               | —             | —              | 2           | —          | —                       | 93            | 7               | 3             | 5              | 12          | 65                   | 4                     | 29            | 1               | —             | 1              | 8           | 19         | —                     |
| Wight, Isle of                   | U.D.'s | 9                     | 4               | —             | —              | 1           | 2          | —                       | 102           | 3               | 1             | 6              | 8           | 78                   | 1                     | 27            | 2               | —             | 1              | 1           | 22         | 2                     |
| Wight, Isle of                   | R.D.'s | 4                     | 2               | —             | —              | —           | —          | —                       | 61            | —               | 2             | 3              | 1           | 53                   | 1                     | 20            | 2               | 1             | 1              | 1           | 14         | —                     |
| Wiltshire                        | U.D.'s | 18                    | 5               | —             | 1              | —           | 5          | 1                       | 301           | 23              | 5             | 13             | 25          | 228                  | 6                     | 64            | 7               | 1             | 2              | 4           | 47         | 1                     |
| Wiltshire                        | R.D.'s | 11                    | 3               | —             | 1              | 1           | 1          | —                       | 312           | 36              | 6             | 11             | 19          | 214                  | 8                     | 107           | 17              | 3             | 6              | 19          | 58         | —                     |
| Worcestershire                   | U.D.'s | 41                    | 9               | —             | 2              | 3           | 21         | 1                       | 555           | 85              | 11            | 13             | 49          | 373                  | 7                     | 134           | 15              | 3             | 8              | 15          | 89         | 2                     |
| Worcestershire                   | R.D.'s | 38                    | 4               | —             | 2              | 4           | 20         | —                       | 343           | 38              | 3             | 13             | 30          | 248                  | 7                     | 150           | 27              | 3             | 5              | 16          | 86         | 2                     |
| Yorkshire, East Riding           | U.D.'s | 6                     | 1               | —             | —              | 2           | 2          | —                       | 148           | 27              | 3             | 8              | 9           | 95                   | 1                     | 38            | 6               | —             | 3              | 3           | 23         | —                     |
| Yorkshire, East Riding           | R.D.'s | 21                    | 3               | —             | 3              | 3           | 9          | —                       | 303           | 27              | 3             | 10             | 29          | 220                  | 10                    | 80            | 9               | 1             | 3              | 8           | 50         | 1                     |
| Yorkshire, North Riding          | U.D.'s | 91                    | 10              | 1             | 4              | 4           | 64         | —                       | 441           | 29              | 6             | 17             | 36          | 330                  | 11                    | 133           | 9               | 1             | 2              | 13          | 91         | 3                     |
| Yorkshire, North Riding          | R.D.'s | 23                    | 1               | —             | 2              | 1           | 14         | 1                       | 421           | 39              | 6             | 17             | 23          | 304                  | 12                    | 148           | 16              | 4             | 4              | 18          | 96         | 1                     |
| Yorkshire, West Riding           | U.D.'s | 409                   | 51              | 2             | 26             | 33          | 244        | 7                       | 2,996         | 261             | 48            | 75             | 253         | 2,193                | 47                    | 1,352         | 146             | 20            | 43             | 181         | 866        | 20                    |
| Yorkshire, West Riding           | R.D.'s | 116                   | 19              | —             | 7              | 8           | 69         | 1                       | 1,256         | 117             | 22            | 27             | 91          | 930                  | 26                    | 445           | 61              | 3             | 13             | 53          | 270        | 9                     |
| Anglesey                         | U.D.'s | 2                     | —               | —             | —              | —           | 1          | —                       | 27            | 5               | —             | 1              | 2           | 19                   | —                     | 26            | 3               | 1             | —              | —           | 18         | —                     |
| Anglesey                         | R.D.'s | 6                     | 1               | —             | —              | —           | 1          | —                       | 49            | 9               | 1             | 1              | 5           | 25                   | —                     | 24            | 4               | —             | —              | 5           | 10         | 2                     |
| Brecknockshire...                | U.D.'s | 9                     | —               | —             | —              | 1           | 5          | 1                       | 42            | 9               | 1             | —              | 3           | 25                   | —                     | 9             | 1               | —             | —              | 2           | 4          | —                     |
| Brecknockshire...                | R.D.'s | 9                     | 1               | —             | 1              | —           | 6          | —                       | 118           | 18              | 1             | 3              | 3           | 86                   | 1                     | 27            | 5               | 1             | 1              | —           | 19         | —                     |
| Cardiganshire                    | U.D.'s | 5                     | 2               | —             | 1              | —           | 1          | —                       | 59            | 5               | 2             | 7              | 4           | 45                   | 2                     | 7             | 1               | 2             | 1              | 1           | 2          | —                     |
| Cardiganshire                    | R.D.'s | 7                     | 2               | —             | 1              | —           | 3          | —                       | 84            | 12              | 2             | 5              | 6           | 56                   | 1                     | 35            |                 |               |                |             |            |                       |



TABLE XXVIII.—CAUSES of DEATH certified in ASSOCIATION with INFLUENZA—*continued*.  
(Civilian deaths only.)

## SUMMARY.

|                          | July—September, 1918. |                 |               |                |             |            |                       | October—December, 1918. |                 |               |                |             |            |                       | January—March, 1919. |                 |               |                |             |            |                       |
|--------------------------|-----------------------|-----------------|---------------|----------------|-------------|------------|-----------------------|-------------------------|-----------------|---------------|----------------|-------------|------------|-----------------------|----------------------|-----------------|---------------|----------------|-------------|------------|-----------------------|
|                          | Total deaths.         | No other cause. | Tuberculosis. | Heart disease. | Bronchitis. | Pneumonia. | Puerperal conditions. | Total deaths.           | No other cause. | Tuberculosis. | Heart disease. | Bronchitis. | Pneumonia. | Puerperal conditions. | Total deaths.        | No other cause. | Tuberculosis. | Heart disease. | Bronchitis. | Pneumonia. | Puerperal conditions. |
| LONDON ... ..            | 959                   | 102             | 3             | 139            | 98          | 549        | 13                    | 12,102                  | 740             | 283           | 481            | 1,057       | 9,360      | 138                   | 3,603                | 280             | 70            | 170            | 427         | 2,558      | 38                    |
| COUNTY                   |                       |                 |               |                |             |            |                       |                         |                 |               |                |             |            |                       |                      |                 |               |                |             |            |                       |
| BOROUGHS—                |                       |                 |               |                |             |            |                       |                         |                 |               |                |             |            |                       |                      |                 |               |                |             |            |                       |
| North ... ..             | 2,803                 | 365             | 7             | 192            | 320         | 1,668      | 44                    | 16,058                  | 1,529           | 261           | 327            | 1,379       | 11,771     | 213                   | 8,843                | 942             | 126           | 255            | 1,144       | 5,965      | 111                   |
| Midlands ... ..          | 1,220                 | 168             | 7             | 71             | 161         | 699        | 21                    | 10,885                  | 1,047           | 222           | 246            | 910         | 7,967      | 154                   | 3,524                | 376             | 67            | 129            | 414         | 2,370      | 48                    |
| South ... ..             | 219                   | 32              | —             | 24             | 27          | 102        | 2                     | 3,035                   | 250             | 78            | 120            | 232         | 2,237      | 46                    | 1,094                | 113             | 25            | 48             | 136         | 724        | 16                    |
| Wales ... ..             | 140                   | 16              | —             | 11             | 10          | 73         | 1                     | 973                     | 85              | 15            | 30             | 68          | 707        | 22                    | 454                  | 41              | 9             | 13             | 45          | 312        | 9                     |
| Total ... ..             | 4,382                 | 581             | 14            | 298            | 518         | 2,542      | 68                    | 30,951                  | 2,911           | 576           | 723            | 2,589       | 22,682     | 435                   | 13,915               | 1,472           | 227           | 445            | 1,739       | 9,371      | 184                   |
| OTHER URBAN              |                       |                 |               |                |             |            |                       |                         |                 |               |                |             |            |                       |                      |                 |               |                |             |            |                       |
| DISTRICTS—               |                       |                 |               |                |             |            |                       |                         |                 |               |                |             |            |                       |                      |                 |               |                |             |            |                       |
| North ... ..             | 1,883                 | 250             | 7             | 113            | 190         | 1,117      | 32                    | 10,130                  | 1,042           | 165           | 256            | 882         | 7,201      | 166                   | 5,015                | 636             | 66            | 178            | 597         | 3,222      | 75                    |
| Midlands ... ..          | 1,088                 | 150             | 2             | 73             | 126         | 607        | 26                    | 12,668                  | 1,286           | 226           | 396            | 1,029       | 9,265      | 209                   | 3,536                | 452             | 62            | 141            | 422         | 2,230      | 64                    |
| South ... ..             | 321                   | 43              | 1             | 26             | 39          | 157        | 5                     | 5,641                   | 416             | 133           | 255            | 412         | 4,172      | 111                   | 1,781                | 189             | 46            | 78             | 174         | 1,201      | 26                    |
| Wales ... ..             | 525                   | 79              | —             | 46             | 53          | 262        | 6                     | 2,469                   | 253             | 37            | 88             | 221         | 1,653      | 62                    | 910                  | 111             | 15            | 37             | 86          | 564        | 19                    |
| Total ... ..             | 3,817                 | 522             | 10            | 258            | 408         | 2,143      | 69                    | 30,908                  | 2,997           | 561           | 995            | 2,544       | 22,291     | 548                   | 11,242               | 1,388           | 189           | 434            | 1,279       | 7,217      | 184                   |
| RURAL                    |                       |                 |               |                |             |            |                       |                         |                 |               |                |             |            |                       |                      |                 |               |                |             |            |                       |
| DISTRICTS—               |                       |                 |               |                |             |            |                       |                         |                 |               |                |             |            |                       |                      |                 |               |                |             |            |                       |
| North ... ..             | 542                   | 80              | 2             | 38             | 38          | 297        | 8                     | 4,787                   | 477             | 73            | 112            | 337         | 3,470      | 116                   | 1,996                | 261             | 24            | 63             | 220         | 1,268      | 33                    |
| Midlands ... ..          | 446                   | 73              | —             | 29             | 35          | 209        | 8                     | 8,848                   | 932             | 173           | 222            | 727         | 6,360      | 187                   | 2,573                | 395             | 55            | 108            | 311         | 1,494      | 33                    |
| South ... ..             | 187                   | 36              | 1             | 15             | 21          | 57         | 3                     | 3,887                   | 409             | 87            | 158            | 269         | 2,746      | 87                    | 1,436                | 152             | 26            | 60             | 172         | 917        | 18                    |
| Wales ... ..             | 185                   | 35              | —             | 12             | 15          | 90         | 1                     | 1,873                   | 177             | 36            | 78             | 136         | 1,308      | 32                    | 749                  | 82              | 17            | 25             | 83          | 482        | 18                    |
| Total ... ..             | 1,360                 | 224             | 3             | 94             | 109         | 653        | 20                    | 19,395                  | 1,995           | 369           | 570            | 1,469       | 13,884     | 422                   | 6,754                | 890             | 122           | 256            | 786         | 4,161      | 102                   |
| ALL AREAS—               |                       |                 |               |                |             |            |                       |                         |                 |               |                |             |            |                       |                      |                 |               |                |             |            |                       |
| North ... ..             | 5,228                 | 695             | 16            | 343            | 548         | 3,082      | 84                    | 30,975                  | 3,048           | 499           | 695            | 2,598       | 22,442     | 495                   | 15,854               | 1,839           | 216           | 496            | 1,961       | 10,455     | 219                   |
| Midlands ... ..          | 2,754                 | 391             | 9             | 173            | 322         | 1,515      | 55                    | 32,401                  | 3,265           | 621           | 864            | 2,666       | 23,592     | 550                   | 9,633                | 1,223           | 184           | 378            | 1,147       | 6,094      | 145                   |
| South ... ..             | 1,686                 | 213             | 5             | 204            | 185         | 865        | 23                    | 24,665                  | 1,815           | 581           | 1,014          | 1,970       | 18,515     | 382                   | 7,914                | 734             | 167           | 356            | 909         | 5,400      | 98                    |
| Wales ... ..             | 850                   | 130             | —             | 69             | 78          | 425        | 8                     | 5,315                   | 515             | 88            | 196            | 425         | 3,668      | 116                   | 2,113                | 234             | 41            | 75             | 214         | 1,358      | 46                    |
| TOTAL—ENGLAND AND WALES. | 10,518                | 1,429           | 30            | 789            | 1,133       | 5,887      | 170                   | 93,356                  | 8,643           | 1,789         | 2,769          | 7,659       | 68,217     | 1,543                 | 35,514               | 4,030           | 608           | 1,305          | 4,231       | 23,307     | 508                   |















